

Table 1: Prevalance of Selected Birth Defects, Texas, 1999-2000

| Defect  | Cases | Rate <sup>†</sup> | 95% Confidence Interval for Rate |         |
|---|-------|-------------------|----------------------------------|---------|
| <b>Central Nervous System</b>                                 |       |                   |                                  |         |
| Anencephaly   | 215   | 3.02              | 2.61                             | - 3.42  |
| Spina bifida without anencephaly                              | 281   | 3.94              | 3.48                             | - 4.41  |
| Encephalocele   | 70    | 0.98              | 0.77                             | - 1.24  |
| Microcephaly  | 473   | 6.64              | 6.04                             | - 7.24  |
| Holoprosencephaly   | 76    | 1.07              | 0.84                             | - 1.34  |
| Hydrocephaly  | 548   | 7.69              | 7.05                             | - 8.34  |
| <b>Eye and Ear</b>  |       |                   |                                  |         |
| Anophthalmia  | 21    | 0.29              | 0.18                             | - 0.45  |
| Microphthalmia  | 168   | 2.36              | 2.00                             | - 2.71  |
| Cataract  | 103   | 1.45              | 1.17                             | - 1.72  |
| Aniridia  | 4     | 0.06              | 0.02                             | - 0.14  |
| Anotia or microtia  | 198   | 2.78              | 2.39                             | - 3.17  |
| <b>Cardiac and Circulatory</b>                                |       |                   |                                  |         |
| Common truncus  | 55    | 0.77              | 0.58                             | - 1.00  |
| Transposition of the great vessels                            | 338   | 4.74              | 4.24                             | - 5.25  |
| Tetralogy of Fallot   | 208   | 2.92              | 2.52                             | - 3.32  |
| Ventricular septal defect                                     | 2890  | 40.56             | 39.08                            | - 42.04 |
| Atrial septal defect  | 2701  | 37.91             | 36.48                            | - 39.34 |
| Endocardial cushion defect                                    | 290   | 4.07              | 3.60                             | - 4.54  |
| Pulmonary valve atresia or stenosis                           | 447   | 6.27              | 5.69                             | - 6.86  |
| Tricuspid valve atresia or stenosis                           | 137   | 1.92              | 1.60                             | - 2.24  |
| Ebstein anomaly   | 49    | 0.69              | 0.51                             | - 0.91  |
| Aortic valve stenosis   | 159   | 2.23              | 1.88                             | - 2.58  |
| Hypoplastic left heart syndrome                               | 140   | 1.96              | 1.64                             | - 2.29  |
| Patent ductus arteriosus                                      | 2949  | 41.39             | 39.90                            | - 42.88 |
| Coarctation of the aorta                                      | 290   | 4.07              | 3.60                             | - 4.54  |
| <b>Respiratory</b>  |       |                   |                                  |         |
| Choanal atresia or stenosis                                   | 88    | 1.24              | 0.99                             | - 1.52  |
| Agenesis, aplasia, or hypoplasia of the lung                  | 336   | 4.72              | 4.21                             | - 5.22  |
| <b>Oral Clefts</b>  |       |                   |                                  |         |
| Cleft palate alone (without cleft lip)                        | 436   | 6.12              | 5.55                             | - 6.69  |
| Cleft lip with or without cleft palate                        | 760   | 10.67             | 9.91                             | - 11.43 |
| <b>Gastrointestinal</b>                                       |       |                   |                                  |         |
| Tracheoesophageal fistula / esophageal atresia                | 147   | 2.06              | 1.73                             | - 2.40  |
| Pyloric stenosis  | 1360  | 19.09             | 18.07                            | - 20.10 |
| Stenosis or atresia of small intestine                        | 200   | 2.81              | 2.42                             | - 3.20  |
| Stenosis or atresia of large intestine, rectum, or anal canal | 346   | 4.86              | 4.34                             | - 5.37  |
| Hirschsprung disease  | 85    | 1.19              | 0.95                             | - 1.48  |
| Biliary atresia   | 51    | 0.72              | 0.53                             | - 0.94  |
| <b>Genitourinary</b>  |       |                   |                                  |         |
| Hypospadias or epispadias                                     | 2055  | 28.84             | 27.60                            | - 30.09 |
| Renal agenesis or dysgenesis                                  | 362   | 5.08              | 4.56                             | - 5.60  |
| Obstructive genitourinary defect                              | 1392  | 19.54             | 18.51                            | - 20.56 |
| Bladder exstrophy   | 14    | 0.20              | 0.11                             | - 0.33  |
| <b>Musculoskeletal</b>  |       |                   |                                  |         |
| Congenital hip dislocation                                    | 363   | 5.09              | 4.57                             | - 5.62  |
| Reduction defects of the upper limbs                          | 292   | 4.10              | 3.63                             | - 4.57  |
| Reduction defects of the lower limbs                          | 133   | 1.87              | 1.55                             | - 2.18  |

Table 1: Prevalance of Selected Birth Defects, Texas, 1999-2000

| <b>Defect</b>   | <b>Cases</b> | <b>Rate<sup>†</sup></b> | <b>95% Confidence Interval for Rate</b> |                |
|---|--------------|-------------------------|---|----------------|
| Craniosynostosis  | 273          | 3.83                    | 3.38                                    | - 4.29         |
| Diaphragmatic hernia  | 205          | 2.88                    | 2.48                                    | - 3.27         |
| Omphalocele   | 158          | 2.22                    | 1.87                                    | - 2.56         |
| Gastroschisis   | 279          | 3.92                    | 3.46                                    | - 4.38         |
| <b>Chromosomal</b>  |              |                         |   |                |
| Trisomy 21 (Down syndrome)                                    | 851          | 11.94                   | 11.14                                   | - 12.75        |
| Trisomy 13 (Patau syndrome)                                   | 94           | 1.32                    | 1.07                                    | - 1.61         |
| Trisomy 18 (Edwards syndrome)                                 | 154          | 2.16                    | 1.82                                    | - 2.50         |
| <b>Other</b>  |              |                         |   |                |
| Fetal alcohol syndrome or other alcohol related birth defects | 15           | 0.21                    | 0.12                                    | - 0.35         |
| <b>Infants and fetuses with any monitored birth defect</b>    | <b>24191</b> | <b>339.53</b>           | <b>335.25</b>                           | <b>- 343.8</b> |

<sup>†</sup> cases per 10,000 live births

Table 2: Prevalence of Selected Birth Defects by Year, Texas, 1996-2000

| Defect                           | Year <sup>#</sup> | Cases | Rate <sup>†</sup> | 95% Confidence Interval for Rate |   |
|----------------------------------|-------------------|-------|-------------------|----------------------------------|---|
| <b>Central Nervous System</b>    |                   |       |                   |                                  |   |
| Anencephaly                      | 1996              | 45    | 3.94              | 2.88                             | - |
|                                  | 1997              | 73    | 3.92              | 3.07                             | - |
|                                  | 1998              | 78    | 2.67              | 2.11                             | - |
|                                  | 1999              | 116   | 3.32              | 2.72                             | - |
|                                  | 2000              | 99    | 2.72              | 2.21                             | - |
| Spina bifida without anencephaly | 1996              | 64    | 5.61              | 4.32                             | - |
|                                  | 1997              | 93    | 4.99              | 4.03                             | - |
|                                  | 1998              | 120   | 4.11              | 3.37                             | - |
|                                  | 1999              | 144   | 4.12              | 3.45                             | - |
|                                  | 2000              | 137   | 3.77              | 3.14                             | - |
| Encephalocele                    | 1996              | 18    | 1.58              | 0.94                             | - |
|                                  | 1997              | 18    | 0.97              | 0.57                             | - |
|                                  | 1998              | 32    | 1.10              | 0.75                             | - |
|                                  | 1999              | 31    | 0.89              | 0.60                             | - |
|                                  | 2000              | 39    | 1.07              | 0.76                             | - |
| Microcephaly                     | 1996              | 65    | 5.70              | 4.40                             | - |
|                                  | 1997              | 115   | 6.17              | 5.04                             | - |
|                                  | 1998              | 174   | 5.96              | 5.07                             | - |
|                                  | 1999              | 215   | 6.16              | 5.33                             | - |
|                                  | 2000              | 258   | 7.10              | 6.23                             | - |
| Holoprosencephaly                | 1996              | 18    | 1.58              | 0.94                             | - |
|                                  | 1997              | 29    | 1.56              | 1.04                             | - |
|                                  | 1998              | 40    | 1.37              | 0.98                             | - |
|                                  | 1999              | 39    | 1.12              | 0.79                             | - |
|                                  | 2000              | 37    | 1.02              | 0.72                             | - |
| Hydrocephaly                     | 1996              | 76    | 6.66              | 5.25                             | - |
|                                  | 1997              | 162   | 8.69              | 7.35                             | - |
|                                  | 1998              | 214   | 7.32              | 6.34                             | - |
|                                  | 1999              | 292   | 8.36              | 7.40                             | - |
|                                  | 2000              | 256   | 7.05              | 6.18                             | - |
| <b>Eye and Ear</b>               |                   |       |                   |                                  |   |
| Anophthalmia                     | 1996              | 3     | 0.26              | 0.05                             | - |
|                                  | 1997              | 13    | 0.70              | 0.37                             | - |
|                                  | 1998              | 9     | 0.31              | 0.14                             | - |
|                                  | 1999              | 10    | 0.29              | 0.14                             | - |
|                                  | 2000              | 11    | 0.30              | 0.15                             | - |
| Microphtalmia                    | 1996              | 22    | 1.93              | 1.21                             | - |
|                                  | 1997              | 51    | 2.74              | 2.04                             | - |
|                                  | 1998              | 80    | 2.74              | 2.17                             | - |
|                                  | 1999              | 84    | 2.41              | 1.92                             | - |
|                                  | 2000              | 84    | 2.31              | 1.84                             | - |
| Cataract                         | 1996              | 11    | 0.96              | 0.48                             | - |
|                                  | 1997              | 22    | 1.18              | 0.74                             | - |
|                                  | 1998              | 36    | 1.23              | 0.86                             | - |
|                                  | 1999              | 41    | 1.17              | 0.84                             | - |
|                                  | 2000              | 62    | 1.71              | 1.31                             | - |

Table 2: Prevalence of Selected Birth Defects by Year, Texas, 1996-2000

| <b>Defect</b>                       | <b>Year<sup>#</sup></b> | <b>Cases</b> | <b>Rate<sup>†</sup></b> | <b>95% Confidence Interval for Rate</b> |         |
|-------------------------------------|-------------------------|--------------|-------------------------|---|---------|
| Aniridia                            | 1996                    | 1            | 0.09                    | 0.00                                    | - 0.49  |
|                                     | 1997                    | 1            | 0.05                    | 0.00                                    | - 0.30  |
|                                     | 1998                    | 3            | 0.10                    | 0.02                                    | - 0.30  |
|                                     | 1999                    | 3            | 0.09                    | 0.02                                    | - 0.25  |
|                                     | 2000                    | 1            | 0.03                    | 0.00                                    | - 0.15  |
| Anotia or microtia                  | 1996                    | 32           | 2.80                    | 1.92                                    | - 3.96  |
|                                     | 1997                    | 53           | 2.84                    | 2.13                                    | - 3.72  |
|                                     | 1998                    | 66           | 2.26                    | 1.75                                    | - 2.87  |
|                                     | 1999                    | 95           | 2.72                    | 2.20                                    | - 3.33  |
|                                     | 2000                    | 103          | 2.83                    | 2.29                                    | - 3.38  |
| <b>Cardiac and Circulatory</b>      |                         |              |                         |   |         |
| Common truncus                      | 1996                    | 3            | 0.26                    | 0.05                                    | - 0.77  |
|                                     | 1997                    | 17           | 0.91                    | 0.53                                    | - 1.46  |
|                                     | 1998                    | 26           | 0.89                    | 0.58                                    | - 1.30  |
|                                     | 1999                    | 17           | 0.49                    | 0.28                                    | - 0.78  |
|                                     | 2000                    | 38           | 1.05                    | 0.74                                    | - 1.44  |
| Transposition of the great vessels  | 1996                    | 50           | 4.38                    | 3.25                                    | - 5.78  |
|                                     | 1997                    | 98           | 5.26                    | 4.27                                    | - 6.41  |
|                                     | 1998                    | 140          | 4.79                    | 4.00                                    | - 5.59  |
|                                     | 1999                    | 174          | 4.98                    | 4.24                                    | - 5.72  |
|                                     | 2000                    | 164          | 4.51                    | 3.82                                    | - 5.20  |
| Tetralogy of Fallot                 | 1996                    | 29           | 2.54                    | 1.70                                    | - 3.65  |
|                                     | 1997                    | 65           | 3.49                    | 2.69                                    | - 4.45  |
|                                     | 1998                    | 81           | 2.77                    | 2.20                                    | - 3.45  |
|                                     | 1999                    | 108          | 3.09                    | 2.51                                    | - 3.68  |
|                                     | 2000                    | 100          | 2.75                    | 2.24                                    | - 3.35  |
| Ventricular septal defect           | 1996                    | 528          | 46.28                   | 42.33                                   | - 50.23 |
|                                     | 1997                    | 831          | 44.59                   | 41.56                                   | - 47.63 |
|                                     | 1998                    | 1126         | 38.54                   | 36.29                                   | - 40.79 |
|                                     | 1999                    | 1381         | 39.55                   | 37.47                                   | - 41.64 |
|                                     | 2000                    | 1509         | 41.53                   | 39.44                                   | - 43.63 |
| Atrial septal defect                | 1996                    | 473          | 41.46                   | 37.72                                   | - 45.20 |
|                                     | 1997                    | 815          | 43.74                   | 40.73                                   | - 46.74 |
|                                     | 1998                    | 1197         | 40.97                   | 38.65                                   | - 43.29 |
|                                     | 1999                    | 1326         | 37.98                   | 35.93                                   | - 40.02 |
|                                     | 2000                    | 1375         | 37.84                   | 35.84                                   | - 39.85 |
| Endocardial cushion defect          | 1996                    | 40           | 3.51                    | 2.50                                    | - 4.77  |
|                                     | 1997                    | 72           | 3.86                    | 3.02                                    | - 4.87  |
|                                     | 1998                    | 81           | 2.77                    | 2.20                                    | - 3.45  |
|                                     | 1999                    | 135          | 3.87                    | 3.21                                    | - 4.52  |
|                                     | 2000                    | 155          | 4.27                    | 3.59                                    | - 4.94  |
| Pulmonary valve atresia or stenosis | 1996                    | 66           | 5.79                    | 4.47                                    | - 7.36  |
|                                     | 1997                    | 85           | 4.56                    | 3.64                                    | - 5.64  |
|                                     | 1998                    | 191          | 6.54                    | 5.61                                    | - 7.46  |
|                                     | 1999                    | 216          | 6.19                    | 5.36                                    | - 7.01  |
|                                     | 2000                    | 231          | 6.36                    | 5.54                                    | - 7.18  |

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| <b>Defect</b>                                | <b>Year<sup>#</sup></b> | <b>Cases</b> | <b>Rate<sup>†</sup></b> | <b>95% Confidence Interval for Rate</b> |   |
|--|-------------------------|--------------|-------------------------|---|---|
| Tricuspid valve atresia or stenosis          | 1996                    | 29           | 2.54                    | 1.70                                    | - |
|  | 1997                    | 48           | 2.58                    | 1.90                                    | - |
|  | 1998                    | 58           | 1.99                    | 1.51                                    | - |
|  | 1999                    | 74           | 2.12                    | 1.66                                    | - |
|  | 2000                    | 63           | 1.73                    | 1.33                                    | - |
| Ebstein anomaly                              | 1996                    | 1            | 0.09                    | 0.00                                    | - |
|  | 1997                    | 12           | 0.64                    | 0.33                                    | - |
|  | 1998                    | 21           | 0.72                    | 0.44                                    | - |
|  | 1999                    | 23           | 0.66                    | 0.42                                    | - |
|  | 2000                    | 26           | 0.72                    | 0.47                                    | - |
| Aortic valve stenosis                        | 1996                    | 25           | 2.19                    | 1.42                                    | - |
|  | 1997                    | 51           | 2.74                    | 2.04                                    | - |
|  | 1998                    | 73           | 2.50                    | 1.96                                    | - |
|  | 1999                    | 85           | 2.43                    | 1.94                                    | - |
|  | 2000                    | 74           | 2.04                    | 1.60                                    | - |
| Hypoplastic left heart syndrome              | 1996                    | 26           | 2.28                    | 1.49                                    | - |
|  | 1997                    | 45           | 2.41                    | 1.76                                    | - |
|  | 1998                    | 63           | 2.16                    | 1.66                                    | - |
|  | 1999                    | 63           | 1.80                    | 1.39                                    | - |
|  | 2000                    | 77           | 2.12                    | 1.67                                    | - |
| Patent ductus arteriosus                     | 1996                    | 553          | 48.47                   | 44.43                                   | - |
|  | 1997                    | 1112         | 59.67                   | 56.17                                   | - |
|  | 1998                    | 1287         | 44.05                   | 41.64                                   | - |
|  | 1999                    | 1475         | 42.24                   | 40.09                                   | - |
|  | 2000                    | 1474         | 40.57                   | 38.50                                   | - |
| Coarctation of the aorta                     | 1996                    | 60           | 5.26                    | 4.01                                    | - |
|  | 1997                    | 94           | 5.04                    | 4.08                                    | - |
|  | 1998                    | 140          | 4.79                    | 4.00                                    | - |
|  | 1999                    | 148          | 4.24                    | 3.56                                    | - |
|  | 2000                    | 142          | 3.91                    | 3.27                                    | - |
| <b>Respiratory</b>                           |                         |              |                         |   |   |
| Choanal atresia or stenosis                  | 1996                    | 11           | 0.96                    | 0.48                                    | - |
|  | 1997                    | 27           | 1.45                    | 0.95                                    | - |
|  | 1998                    | 32           | 1.10                    | 0.75                                    | - |
|  | 1999                    | 41           | 1.17                    | 0.84                                    | - |
|  | 2000                    | 47           | 1.29                    | 0.95                                    | - |
| Agenesis, aplasia, or hypoplasia of the lung | 1996                    | 52           | 4.56                    | 3.40                                    | - |
|  | 1997                    | 92           | 4.94                    | 3.98                                    | - |
|  | 1998                    | 122          | 4.18                    | 3.43                                    | - |
|  | 1999                    | 179          | 5.13                    | 4.38                                    | - |
|  | 2000                    | 157          | 4.32                    | 3.65                                    | - |
| <b>Oral Clefts</b>                           |                         |              |                         |   |   |
| Cleft palate alone (without cleft lip)       | 1996                    | 64           | 5.61                    | 4.32                                    | - |
|  | 1997                    | 121          | 6.49                    | 5.34                                    | - |
|  | 1998                    | 164          | 5.61                    | 4.75                                    | - |
|  | 1999                    | 209          | 5.99                    | 5.17                                    | - |
|  | 2000                    | 227          | 6.25                    | 5.44                                    | - |

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| <b>Defect</b>   | <b>Year<sup>#</sup></b> | <b>Cases</b> | <b>Rate<sup>†</sup></b> | <b>95% Confidence Interval for Rate</b> |         |
|---|-------------------------|--------------|-------------------------|---|---------|
|   |                         |              |                         | -                                       | -       |
| Cleft lip with or without cleft palate                        | 1996                    | 116          | 10.17                   | 8.32                                    | - 12.02 |
|   | 1997                    | 242          | 12.99                   | 11.35                                   | - 14.62 |
|   | 1998                    | 307          | 10.51                   | 9.33                                    | - 11.68 |
|   | 1999                    | 365          | 10.45                   | 9.38                                    | - 11.53 |
|   | 2000                    | 395          | 10.87                   | 9.80                                    | - 11.94 |
| <b>Gastrointestinal</b>                                       |                         |              |                         |   |         |
| Tracheoesophageal fistula / esophageal atresia                | 1996                    | 23           | 2.02                    | 1.28                                    | - 3.03  |
|   | 1997                    | 51           | 2.74                    | 2.04                                    | - 3.60  |
|   | 1998                    | 57           | 1.95                    | 1.48                                    | - 2.53  |
|   | 1999                    | 75           | 2.15                    | 1.69                                    | - 2.69  |
|   | 2000                    | 72           | 1.98                    | 1.55                                    | - 2.50  |
| Pyloric stenosis  | 1996                    | 129          | 11.31                   | 9.36                                    | - 13.26 |
|   | 1997                    | 396          | 21.25                   | 19.16                                   | - 23.34 |
|   | 1998                    | 509          | 17.42                   | 15.91                                   | - 18.93 |
|   | 1999                    | 636          | 18.22                   | 16.80                                   | - 19.63 |
|   | 2000                    | 724          | 19.93                   | 18.48                                   | - 21.38 |
| Stenosis or atresia of small intestine                        | 1996                    | 40           | 3.51                    | 2.50                                    | - 4.77  |
|   | 1997                    | 61           | 3.27                    | 2.50                                    | - 4.20  |
|   | 1998                    | 102          | 3.49                    | 2.81                                    | - 4.17  |
|   | 1999                    | 91           | 2.61                    | 2.10                                    | - 3.20  |
|   | 2000                    | 109          | 3.00                    | 2.44                                    | - 3.56  |
| Stenosis or atresia of large intestine, rectum, or anal canal | 1996                    | 48           | 4.21                    | 3.10                                    | - 5.58  |
|   | 1997                    | 88           | 4.72                    | 3.79                                    | - 5.82  |
|   | 1998                    | 121          | 4.14                    | 3.40                                    | - 4.88  |
|   | 1999                    | 185          | 5.30                    | 4.53                                    | - 6.06  |
|   | 2000                    | 161          | 4.43                    | 3.75                                    | - 5.12  |
| Hirschsprung disease  | 1996                    | 23           | 2.02                    | 1.28                                    | - 3.03  |
|   | 1997                    | 17           | 0.91                    | 0.53                                    | - 1.46  |
|   | 1998                    | 47           | 1.61                    | 1.18                                    | - 2.14  |
|   | 1999                    | 38           | 1.09                    | 0.77                                    | - 1.49  |
|   | 2000                    | 47           | 1.29                    | 0.95                                    | - 1.72  |
| Biliary atresia   | 1996                    | 7            | 0.61                    | 0.25                                    | - 1.26  |
|   | 1997                    | 13           | 0.70                    | 0.37                                    | - 1.19  |
|   | 1998                    | 13           | 0.44                    | 0.24                                    | - 0.76  |
|   | 1999                    | 25           | 0.72                    | 0.46                                    | - 1.06  |
|   | 2000                    | 26           | 0.72                    | 0.47                                    | - 1.05  |
| <b>Genitourinary</b>  |                         |              |                         |   |         |
| Hypospadias or epispadias                                     | 1996                    | 261          | 22.88                   | 20.10                                   | - 25.65 |
|   | 1997                    | 477          | 25.60                   | 23.30                                   | - 27.89 |
|   | 1998                    | 724          | 24.78                   | 22.97                                   | - 26.58 |
|   | 1999                    | 1014         | 29.04                   | 27.25                                   | - 30.83 |
|   | 2000                    | 1041         | 28.65                   | 26.91                                   | - 30.39 |
| Renal agenesis or dysgenesis                                  | 1996                    | 48           | 4.21                    | 3.10                                    | - 5.58  |
|   | 1997                    | 105          | 5.63                    | 4.56                                    | - 6.71  |
|   | 1998                    | 144          | 4.93                    | 4.12                                    | - 5.73  |
|   | 1999                    | 194          | 5.56                    | 4.77                                    | - 6.34  |
|   | 2000                    | 168          | 4.62                    | 3.92                                    | - 5.32  |

Table 2: Prevalence of Selected Birth Defects by Year, Texas, 1996-2000

| <b>Defect</b>                        | <b>Year<sup>#</sup></b> | <b>Cases</b> | <b>Rate<sup>†</sup></b> | <b>95% Confidence Interval for Rate</b> |   |
|--------------------------------------|-------------------------|--------------|-------------------------|---|---|
| Obstructive genitourinary defect     | 1996                    | 178          | 15.60                   | 13.31                                   | - |
|                                      | 1997                    | 344          | 18.46                   | 16.51                                   | - |
|                                      | 1998                    | 541          | 18.52                   | 16.96                                   | - |
|                                      | 1999                    | 690          | 19.76                   | 18.29                                   | - |
|                                      | 2000                    | 702          | 19.32                   | 17.89                                   | - |
| Bladder exstrophy                    | 1996                    | 2            | 0.18                    | 0.02                                    | - |
|                                      | 1997                    | 5            | 0.27                    | 0.09                                    | - |
|                                      | 1998                    | 6            | 0.21                    | 0.08                                    | - |
|                                      | 1999                    | 3            | 0.09                    | 0.02                                    | - |
|                                      | 2000                    | 11           | 0.30                    | 0.15                                    | - |
| <b>Musculoskeletal</b>               |                         |              |                         |   |   |
| Congenital hip dislocation           | 1996                    | 72           | 6.31                    | 4.94                                    | - |
|                                      | 1997                    | 103          | 5.53                    | 4.46                                    | - |
|                                      | 1998                    | 142          | 4.86                    | 4.06                                    | - |
|                                      | 1999                    | 193          | 5.53                    | 4.75                                    | - |
|                                      | 2000                    | 170          | 4.68                    | 3.98                                    | - |
| Reduction defects of the upper limbs | 1996                    | 48           | 4.21                    | 3.10                                    | - |
|                                      | 1997                    | 85           | 4.56                    | 3.64                                    | - |
|                                      | 1998                    | 114          | 3.90                    | 3.19                                    | - |
|                                      | 1999                    | 137          | 3.92                    | 3.27                                    | - |
|                                      | 2000                    | 155          | 4.27                    | 3.59                                    | - |
| Reduction defects of the lower limbs | 1996                    | 19           | 1.67                    | 1.00                                    | - |
|                                      | 1997                    | 29           | 1.56                    | 1.04                                    | - |
|                                      | 1998                    | 50           | 1.71                    | 1.27                                    | - |
|                                      | 1999                    | 79           | 2.26                    | 1.79                                    | - |
|                                      | 2000                    | 54           | 1.49                    | 1.12                                    | - |
| Craniosynostosis                     | 1996                    | 31           | 2.72                    | 1.85                                    | - |
|                                      | 1997                    | 70           | 3.76                    | 2.93                                    | - |
|                                      | 1998                    | 103          | 3.53                    | 2.84                                    | - |
|                                      | 1999                    | 134          | 3.84                    | 3.19                                    | - |
|                                      | 2000                    | 139          | 3.83                    | 3.19                                    | - |
| Diaphragmatic hernia                 | 1996                    | 28           | 2.45                    | 1.63                                    | - |
|                                      | 1997                    | 41           | 2.20                    | 1.58                                    | - |
|                                      | 1998                    | 68           | 2.33                    | 1.81                                    | - |
|                                      | 1999                    | 111          | 3.18                    | 2.59                                    | - |
|                                      | 2000                    | 94           | 2.59                    | 2.09                                    | - |
| Omphalocele                          | 1996                    | 21           | 1.84                    | 1.14                                    | - |
|                                      | 1997                    | 50           | 2.68                    | 1.99                                    | - |
|                                      | 1998                    | 66           | 2.26                    | 1.75                                    | - |
|                                      | 1999                    | 77           | 2.21                    | 1.74                                    | - |
|                                      | 2000                    | 81           | 2.23                    | 1.77                                    | - |
| Gastroschisis                        | 1996                    | 36           | 3.16                    | 2.21                                    | - |
|                                      | 1997                    | 71           | 3.81                    | 2.98                                    | - |
|                                      | 1998                    | 111          | 3.80                    | 3.09                                    | - |
|                                      | 1999                    | 135          | 3.87                    | 3.21                                    | - |
|                                      | 2000                    | 144          | 3.96                    | 3.32                                    | - |

Table 2: Prevalence of Selected Birth Defects by Year, Texas, 1996-2000

| <b>Defect</b>   | <b>Year<sup>‡</sup></b> | <b>Cases</b> | <b>Rate<sup>†</sup></b> | <b>95% Confidence Interval for Rate</b> |   |        |
|---|-------------------------|--------------|-------------------------|---|---|--------|
| <b>Chromosomal</b>  |                         |              |                         |   |   |        |
| Trisomy 21 (Down syndrome)                                    | 1996                    | 133          | 11.66                   | 9.68                                    | - | 13.64  |
|   | 1997                    | 257          | 13.79                   | 12.11                                   | - | 15.48  |
|   | 1998                    | 284          | 9.72                    | 8.59                                    | - | 10.85  |
|   | 1999                    | 387          | 11.08                   | 9.98                                    | - | 12.19  |
|   | 2000                    | 464          | 12.77                   | 11.61                                   | - | 13.93  |
| Trisomy 13 (Patau syndrome)                                   | 1996                    | 11           | 0.96                    | 0.48                                    | - | 1.73   |
|   | 1997                    | 22           | 1.18                    | 0.74                                    | - | 1.79   |
|   | 1998                    | 34           | 1.16                    | 0.81                                    | - | 1.63   |
|   | 1999                    | 44           | 1.26                    | 0.92                                    | - | 1.69   |
|   | 2000                    | 50           | 1.38                    | 1.02                                    | - | 1.81   |
| Trisomy 18 (Edwards syndrome)                                 | 1996                    | 36           | 3.16                    | 2.21                                    | - | 4.37   |
|   | 1997                    | 52           | 2.79                    | 2.08                                    | - | 3.66   |
|   | 1998                    | 57           | 1.95                    | 1.48                                    | - | 2.53   |
|   | 1999                    | 78           | 2.23                    | 1.77                                    | - | 2.79   |
|   | 2000                    | 76           | 2.09                    | 1.65                                    | - | 2.62   |
| <b>Other</b>  |                         |              |                         |   |   |        |
| Fetal alcohol syndrome or other alcohol related birth defects | 1996                    | 0            | 0.00                    | 0.00                                    | - | 0.32   |
|   | 1997                    | 4            | 0.21                    | 0.06                                    | - | 0.55   |
|   | 1998                    | 10           | 0.34                    | 0.16                                    | - | 0.63   |
|   | 1999                    | 7            | 0.20                    | 0.08                                    | - | 0.41   |
|   | 2000                    | 8            | 0.22                    | 0.10                                    | - | 0.43   |
| <b>Infants and fetuses with any monitored birth defect</b>    |                         |              |                         |   |   |        |
|   | 1996                    | 3409         | 298.81                  | 288.78                                  | - | 308.85 |
|   | 1997                    | 6711         | 360.13                  | 351.52                                  | - | 368.75 |
|   | 1998                    | 9410         | 322.06                  | 315.55                                  | - | 328.57 |
|   | 1999                    | 11591        | 331.97                  | 325.93                                  | - | 338.01 |
|   | 2000                    | 12600        | 346.80                  | 340.74                                  | - | 352.85 |

<sup>‡</sup> In 1996, the registry covered Regions 6 and 11 only. In 1997, the registry covered Regions 2, 3 ,8, 9, 10, and 11. In 1998, the registry covered the entire state but data from three regions are limited to half of the year (January 1-June 30, 1998, in Region 4; July 1-December 31, 1998, in Regions 5 and 6). In 1999 and 2000, the registry covered the entire state for the entire year.

<sup>†</sup> cases per 10,000 live births

Table 3: Prevalence of Selected Birth Defects by Mother's Age, Texas, 1999-2000

| Defect                           | Mother's Age | Cases | Rate <sup>†</sup> | 95% Confidence Interval for Rate |      |
|----------------------------------|--------------|-------|-------------------|----------------------------------|------|
| <b>Central Nervous System</b>    |              |       |                   |                                  |      |
| Anencephaly                      | < 20         | 42    | 3.79              | 2.73                             | -    |
|                                  | 20-24        | 65    | 3.24              | 2.50                             | -    |
|                                  | 25-29        | 54    | 2.81              | 2.11                             | -    |
|                                  | 30-34        | 37    | 2.72              | 1.91                             | -    |
|                                  | 35-39        | 12    | 1.96              | 1.01                             | -    |
|                                  | 40 +         | 5     | 4.25              | 1.38                             | -    |
| Spina bifida without anencephaly | < 20         | 39    | 3.52              | 2.50                             | -    |
|                                  | 20-24        | 73    | 3.64              | 2.85                             | -    |
|                                  | 25-29        | 72    | 3.75              | 2.93                             | -    |
|                                  | 30-34        | 54    | 3.97              | 2.98                             | -    |
|                                  | 35-39        | 33    | 5.40              | 3.72                             | -    |
|                                  | 40 +         | 10    | 8.49              | 4.07                             | -    |
| Encephalocele *                  | < 20         | 14    | 1.26              | 0.69                             | -    |
| (p=0.0390)                       | 20-24        | 26    | 1.30              | 0.85                             | -    |
|                                  | 25-29        | 15    | 0.78              | 0.44                             | -    |
|                                  | 30-34        | 5     | 0.37              | 0.12                             | -    |
|                                  | 35-39        | 9     | 1.47              | 0.67                             | -    |
|                                  | 40 +         | 1     | 0.85              | 0.02                             | -    |
| Microcephaly *                   | < 20         | 82    | 7.39              | 5.88                             | -    |
| (p=0.0053)                       | 20-24        | 145   | 7.23              | 6.05                             | -    |
|                                  | 25-29        | 106   | 5.52              | 4.47                             | -    |
|                                  | 30-34        | 74    | 5.44              | 4.27                             | -    |
|                                  | 35-39        | 51    | 8.35              | 6.22                             | -    |
|                                  | 40 +         | 15    | 12.74             | 7.13                             | -    |
| Holoprosencephaly                | < 20         | 15    | 1.35              | 0.76                             | -    |
|                                  | 20-24        | 17    | 0.85              | 0.49                             | -    |
|                                  | 25-29        | 19    | 0.99              | 0.60                             | -    |
|                                  | 30-34        | 11    | 0.81              | 0.40                             | -    |
|                                  | 35-39        | 9     | 1.47              | 0.67                             | -    |
|                                  | 40 +         | 5     | 4.25              | 1.38                             | -    |
| Hydrocephaly                     | < 20         | 94    | 8.47              | 6.85                             | -    |
|                                  | 20-24        | 144   | 7.18              | 6.01                             | -    |
|                                  | 25-29        | 146   | 7.60              | 6.37                             | -    |
|                                  | 30-34        | 99    | 7.28              | 5.91                             | -    |
|                                  | 35-39        | 52    | 8.51              | 6.36                             | -    |
|                                  | 40 +         | 13    | 11.04             | 5.88                             | -    |
| <b>Eye and Ear</b>               |              |       |                   |                                  |      |
| Anophthalmia                     | < 20         | 7     | 0.63              | 0.25                             | 1.30 |
|                                  | 20-24        | 4     | 0.20              | 0.05                             | -    |
|                                  | 25-29        | 5     | 0.26              | 0.08                             | -    |
|                                  | 30-34        | 3     | 0.22              | 0.05                             | -    |
|                                  | 35-39        | 2     | 0.33              | 0.04                             | -    |
|                                  | 40 +         | 0     | 0.00              | 0.00                             | -    |
|                                  |              |       |                   |                                  | 3.13 |

Table 3: Prevalence of Selected Birth Defects by Mother's Age, Texas, 1999-2000

| <b>Defect</b>                                      | <b>Mother's Age</b> | <b>Cases</b> | <b>Rate<sup>†</sup></b> | <b>95% Confidence Interval for Rate</b> |          |
|--|---------------------|--------------|-------------------------|---|----------|
|  |                     |              |                         |   |          |
| Microphthalmia *(p=0.0269)                         | < 20                | 26           | 2.34                    | 1.53                                    | - 3.43   |
|  | 20-24               | 46           | 2.29                    | 1.68                                    | - 3.06   |
|  | 25-29               | 35           | 1.82                    | 1.27                                    | - 2.53   |
|  | 30-34               | 33           | 2.43                    | 1.67                                    | - 3.41   |
|  | 35-39               | 19           | 3.11                    | 1.87                                    | - 4.86   |
|  | 40 +                | 9            | 7.64                    | 3.49                                    | - 14.51  |
| Cataract   | < 20                | 13           | 1.17                    | 0.62                                    | - 2.00   |
|  | 20-24               | 26           | 1.30                    | 0.85                                    | - 1.90   |
|  | 25-29               | 24           | 1.25                    | 0.80                                    | - 1.86   |
|  | 30-34               | 21           | 1.54                    | 0.96                                    | - 2.36   |
|  | 35-39               | 16           | 2.62                    | 1.50                                    | - 4.25   |
|  | 40 +                | 3            | 2.55                    | 0.53                                    | - 7.45   |
| Aniridia   | < 20                | 0            | 0.00                    | 0.00                                    | - 0.33   |
|  | 20-24               | 2            | 0.10                    | 0.01                                    | - 0.36   |
|  | 25-29               | 1            | 0.05                    | 0.00                                    | - 0.29   |
|  | 30-34               | 1            | 0.07                    | 0.00                                    | - 0.41   |
|  | 35-39               | 0            | 0.00                    | 0.00                                    | - 0.60   |
|  | 40 +                | 0            | 0.00                    | 0.00                                    | - 3.13   |
| Anotia or microtia                                 | < 20                | 27           | 2.43                    | 1.60                                    | - 3.54   |
|  | 20-24               | 48           | 2.39                    | 1.77                                    | - 3.17   |
|  | 25-29               | 59           | 3.07                    | 2.34                                    | - 3.96   |
|  | 30-34               | 41           | 3.01                    | 2.16                                    | - 4.09   |
|  | 35-39               | 20           | 3.27                    | 2.00                                    | - 5.06   |
|  | 40 +                | 3            | 2.55                    | 0.53                                    | - 7.45   |
| <b>Cardiac and Circulatory</b>                     |                     |              |                         |   |          |
| Common truncus                                     | < 20                | 9            | 0.81                    | 0.37                                    | - 1.54   |
|  | 20-24               | 10           | 0.50                    | 0.24                                    | 0.92     |
|  | 25-29               | 16           | 0.83                    | 0.48                                    | - 1.35   |
|  | 30-34               | 13           | 0.96                    | 0.51                                    | - 1.63   |
|  | 35-39               | 5            | 0.82                    | 0.27                                    | - 1.91   |
|  | 40 +                | 2            | 1.70                    | 0.21                                    | - 6.14   |
| Transposition of the great vessels *<br>(p=0.0421) | < 20                | 45           | 4.06                    | 2.96                                    | - 5.43   |
|  | 20-24               | 77           | 3.84                    | 3.03                                    | - 4.80   |
|  | 25-29               | 93           | 4.84                    | 3.91                                    | - 5.93   |
|  | 30-34               | 78           | 5.73                    | 4.53                                    | - 7.16   |
|  | 35-39               | 35           | 5.73                    | 3.99                                    | - 7.97   |
|  | 40 +                | 10           | 8.49                    | 4.07                                    | - 15.62  |
| Tetralogy of Fallot *<br>(p=0.0086)                | < 20                | 26           | 2.34                    | 1.53                                    | - 3.43   |
|  | 20-24               | 56           | 2.79                    | 2.11                                    | - 3.63   |
|  | 25-29               | 55           | 2.86                    | 2.16                                    | - 3.73   |
|  | 30-34               | 37           | 2.72                    | 1.91                                    | - 3.75   |
|  | 35-39               | 22           | 3.60                    | 2.26                                    | - 5.45   |
|  | 40 +                | 12           | 10.19                   | 5.27                                    | - 17.80  |
| Ventricular septal defect *<br>(p<0.0001)          | < 20                | 417          | 37.59                   | 33.99                                   | - 41.20  |
|  | 20-24               | 759          | 37.85                   | 35.16                                   | - 40.55  |
|  | 25-29               | 719          | 37.44                   | 34.70                                   | - 40.17  |
|  | 30-34               | 574          | 42.19                   | 38.74                                   | - 45.64  |
|  | 35-39               | 320          | 52.38                   | 46.64                                   | - 58.11  |
|  | 40 +                | 101          | 85.77                   | 69.04                                   | - 102.49 |

Table 3: Prevalence of Selected Birth Defects by Mother's Age, Texas, 1999-2000

| Defect                                     | Mother's Age | Cases | Rate <sup>†</sup> | 95% Confidence Interval for Rate |          |
|--|--------------|-------|-------------------|----------------------------------|----------|
| Atrial septal defect *<br>(p<0.0001)       | < 20         | 385   | 34.71             | 31.24                            | - 38.18  |
|  | 20-24        | 684   | 34.11             | 31.56                            | - 36.67  |
|  | 25-29        | 684   | 35.62             | 32.95                            | - 38.28  |
|  | 30-34        | 540   | 39.69             | 36.35                            | - 43.04  |
|  | 35-39        | 311   | 50.90             | 45.25                            | - 56.56  |
|  | 40 +         | 97    | 82.37             | 66.80                            | - 100.49 |
| Endocardial cushion defect *<br>(p<0.0001) | < 20         | 33    | 2.98              | 2.05                             | - 4.18   |
|  | 20-24        | 52    | 2.59              | 1.94                             | - 3.40   |
|  | 25-29        | 74    | 3.85              | 3.03                             | - 4.84   |
|  | 30-34        | 61    | 4.48              | 3.43                             | - 5.76   |
|  | 35-39        | 48    | 7.86              | 5.79                             | - 10.42  |
|  | 40 +         | 22    | 18.68             | 11.71                            | - 28.28  |
| Pulmonary valve atresia or stenosis        | < 20         | 70    | 6.31              | 4.92                             | - 7.97   |
|  | 20-24        | 119   | 5.94              | 4.87                             | - 7.00   |
|  | 25-29        | 103   | 5.36              | 4.33                             | - 6.40   |
|  | 30-34        | 93    | 6.84              | 5.52                             | - 8.37   |
|  | 35-39        | 52    | 8.51              | 6.36                             | - 11.16  |
|  | 40 +         | 10    | 8.49              | 4.07                             | - 15.62  |
| Tricuspid valve atresia or stenosis        | < 20         | 22    | 1.98              | 1.24                             | - 3.00   |
|  | 20-24        | 31    | 1.55              | 1.05                             | - 2.19   |
|  | 25-29        | 37    | 1.93              | 1.36                             | - 2.66   |
|  | 30-34        | 29    | 2.13              | 1.43                             | - 3.06   |
|  | 35-39        | 11    | 1.80              | 0.90                             | - 3.22   |
|  | 40 +         | 7     | 5.94              | 2.39                             | - 12.25  |
| Ebstein anomaly                            | < 20         | 7     | 0.63              | 0.25                             | - 1.30   |
|  | 20-24        | 7     | 0.35              | 0.14                             | - 0.72   |
|  | 25-29        | 18    | 0.94              | 0.56                             | - 1.48   |
|  | 30-34        | 9     | 0.66              | 0.30                             | - 1.26   |
|  | 35-39        | 5     | 0.82              | 0.27                             | - 1.91   |
|  | 40 +         | 3     | 2.55              | 0.53                             | - 7.45   |
| Aortic valve stenosis                      | < 20         | 18    | 1.62              | 0.96                             | - 2.56   |
|  | 20-24        | 35    | 1.75              | 1.22                             | - 2.43   |
|  | 25-29        | 45    | 2.34              | 1.71                             | - 3.14   |
|  | 30-34        | 39    | 2.87              | 2.04                             | - 3.92   |
|  | 35-39        | 20    | 3.27              | 2.00                             | - 5.06   |
|  | 40 +         | 2     | 1.70              | 0.21                             | - 6.14   |
| Hypoplastic left heart syndrome            | < 20         | 27    | 2.43              | 1.60                             | - 3.54   |
|  | 20-24        | 26    | 1.30              | 0.85                             | - 1.90   |
|  | 25-29        | 36    | 1.87              | 1.31                             | - 2.60   |
|  | 30-34        | 28    | 2.06              | 1.37                             | - 2.97   |
|  | 35-39        | 19    | 3.11              | 1.87                             | - 4.86   |
|  | 40 +         | 4     | 3.40              | 0.93                             | - 8.70   |
| Patent ductus arteriosus *<br>(p<0.0001)   | < 20         | 418   | 37.68             | 34.07                            | - 41.30  |
|  | 20-24        | 722   | 36.01             | 33.38                            | - 38.64  |
|  | 25-29        | 744   | 38.74             | 35.96                            | - 41.52  |
|  | 30-34        | 564   | 41.46             | 38.04                            | - 44.88  |
|  | 35-39        | 361   | 59.09             | 52.99                            | - 65.18  |
|  | 40 +         | 140   | 118.89            | 99.19                            | - 138.58 |

Table 3: Prevalence of Selected Birth Defects by Mother's Age, Texas, 1999-2000

| <b>Defect</b>  | <b>Mother's Age</b> | <b>Cases</b> | <b>Rate<sup>†</sup></b> | <b>95% Confidence Interval for Rate</b> |         |
|--|---------------------|--------------|-------------------------|---|---------|
|  |                     |              |                         | <b>Interval for Rate</b>                |         |
| Coarctation of the aorta                                       | < 20                | 45           | 4.06                    | 2.96                                    | - 5.43  |
|  | 20-24               | 75           | 3.74                    | 2.94                                    | - 4.69  |
|  | 25-29               | 74           | 3.85                    | 3.03                                    | - 4.84  |
|  | 30-34               | 57           | 4.19                    | 3.17                                    | - 5.43  |
|  | 35-39               | 27           | 4.42                    | 2.91                                    | - 6.43  |
|  | 40 +                | 12           | 10.19                   | 5.27                                    | - 17.80 |
| <b>Respiratory</b>   |                     |              |                         |   |         |
| Choanal atresia or stenosis                                    | < 20                | 8            | 0.72                    | 0.31                                    | - 1.42  |
|  | 20-24               | 25           | 1.25                    | 0.81                                    | - 1.84  |
|  | 25-29               | 18           | 0.94                    | 0.56                                    | - 1.48  |
|  | 30-34               | 21           | 1.54                    | 0.96                                    | - 2.36  |
|  | 35-39               | 13           | 2.13                    | 1.13                                    | - 3.64  |
|  | 40 +                | 3            | 2.55                    | 0.53                                    | - 7.45  |
| Agenesis, aplasia, or hypoplasia of the lung                   | < 20                | 63           | 5.68                    | 4.36                                    | - 7.27  |
|  | 20-24               | 82           | 4.09                    | 3.25                                    | - 5.08  |
|  | 25-29               | 104          | 5.42                    | 4.37                                    | - 6.46  |
|  | 30-34               | 50           | 3.68                    | 2.73                                    | - 4.85  |
|  | 35-39               | 29           | 4.75                    | 3.18                                    | - 6.82  |
|  | 40 +                | 8            | 6.79                    | 2.93                                    | - 13.39 |
| <b>Oral Clefts</b>   |                     |              |                         |   |         |
| Cleft palate alone (without cleft lip)                         | < 20                | 72           | 6.49                    | 5.08                                    | - 8.17  |
|  | 20-24               | 107          | 5.34                    | 4.33                                    | - 6.35  |
|  | 25-29               | 118          | 6.14                    | 5.04                                    | - 7.25  |
|  | 30-34               | 83           | 6.10                    | 4.86                                    | - 7.56  |
|  | 35-39               | 46           | 7.53                    | 5.51                                    | - 10.04 |
|  | 40 +                | 10           | 8.49                    | 4.07                                    | - 15.62 |
| Cleft lip with or without cleft palate *<br>(p=0.0034)         | < 20                | 114          | 10.28                   | 8.39                                    | - 12.16 |
|  | 20-24               | 236          | 11.77                   | 10.27                                   | - 13.27 |
|  | 25-29               | 179          | 9.32                    | 7.95                                    | - 10.69 |
|  | 30-34               | 130          | 9.56                    | 7.91                                    | - 11.20 |
|  | 35-39               | 77           | 12.60                   | 9.95                                    | - 15.75 |
|  | 40 +                | 24           | 20.38                   | 13.06                                   | - 30.32 |
| <b>Gastrointestinal</b>  |                     |              |                         |   |         |
| Tracheoesophageal fistula / esophageal atresia *<br>(p<0.0001) | < 20                | 23           | 2.07                    | 1.31                                    | - 3.11  |
|  | 20-24               | 26           | 1.30                    | 0.85                                    | - 1.90  |
|  | 25-29               | 31           | 1.61                    | 1.10                                    | - 2.29  |
|  | 30-34               | 33           | 2.43                    | 1.67                                    | - 3.41  |
|  | 35-39               | 25           | 4.09                    | 2.65                                    | - 6.04  |
|  | 40 +                | 9            | 7.64                    | 3.49                                    | - 14.51 |
| Pyloric stenosis *<br>(p<0.0001)                               | < 20                | 271          | 24.43                   | 21.52                                   | - 27.34 |
|  | 20-24               | 428          | 21.35                   | 19.32                                   | - 23.37 |
|  | 25-29               | 348          | 18.12                   | 16.22                                   | - 20.02 |
|  | 30-34               | 214          | 15.73                   | 13.62                                   | - 17.84 |
|  | 35-39               | 85           | 13.91                   | 11.11                                   | - 17.20 |
|  | 40 +                | 14           | 11.89                   | 6.50                                    | - 19.95 |

Table 3: Prevalence of Selected Birth Defects by Mother's Age, Texas, 1999-2000

| <b>Defect</b>  | <b>Mother's Age</b> | <b>Cases</b> | <b>Rate<sup>†</sup></b> | <b>95% Confidence Interval for Rate</b> |         |
|--|---------------------|--------------|-------------------------|---|---------|
|  |                     |              |                         |   |         |
| Stenosis or atresia of small intestine *<br>(p=0.0003)           | < 20                | 52           | 4.69                    | 3.50                                    | - 6.15  |
|  | 20-24               | 59           | 2.94                    | 2.24                                    | - 3.80  |
|  | 25-29               | 35           | 1.82                    | 1.27                                    | - 2.53  |
|  | 30-34               | 30           | 2.21                    | 1.49                                    | - 3.15  |
|  | 35-39               | 18           | 2.95                    | 1.75                                    | - 4.66  |
|  | 40 +                | 6            | 5.10                    | 1.87                                    | - 11.09 |
| Stenosis or atresia of large intestine, rectum,<br>or anal canal | < 20                | 54           | 4.87                    | 3.66                                    | - 6.35  |
|  | 20-24               | 95           | 4.74                    | 3.83                                    | - 5.79  |
|  | 25-29               | 82           | 4.27                    | 3.40                                    | - 5.30  |
|  | 30-34               | 67           | 4.92                    | 3.82                                    | - 6.25  |
|  | 35-39               | 38           | 6.22                    | 4.40                                    | - 8.54  |
|  | 40 +                | 10           | 8.49                    | 4.07                                    | - 15.62 |
| Hirschsprung disease *<br>(p=0.0323)                             | < 20                | 8            | 0.72                    | 0.31                                    | - 1.42  |
|  | 20-24               | 33           | 1.65                    | 1.13                                    | - 2.31  |
|  | 25-29               | 19           | 0.99                    | 0.60                                    | - 1.54  |
|  | 30-34               | 11           | 0.81                    | 0.40                                    | - 1.45  |
|  | 35-39               | 10           | 1.64                    | 0.78                                    | - 3.01  |
|  | 40 +                | 4            | 3.40                    | 0.93                                    | - 8.70  |
| Biliary atresia  | < 20                | 9            | 0.81                    | 0.37                                    | - 1.54  |
|  | 20-24               | 15           | 0.75                    | 0.42                                    | - 1.23  |
|  | 25-29               | 11           | 0.57                    | 0.29                                    | - 1.02  |
|  | 30-34               | 14           | 1.03                    | 0.56                                    | - 1.73  |
|  | 35-39               | 2            | 0.33                    | 0.04                                    | - 1.18  |
|  | 40 +                | 0            | 0.00                    | 0.00                                    | - 3.13  |
| <b>Genitourinary</b>   |                     |              |                         |   |         |
| Hypospadias or epispadias *<br>(p<0.0001)                        | < 20                | 285          | 25.69                   | 22.71                                   | - 28.68 |
|  | 20-24               | 490          | 24.44                   | 22.27                                   | - 26.60 |
|  | 25-29               | 554          | 28.85                   | 26.44                                   | - 31.25 |
|  | 30-34               | 446          | 32.78                   | 29.74                                   | - 35.83 |
|  | 35-39               | 235          | 38.46                   | 33.55                                   | - 43.38 |
|  | 40 +                | 45           | 38.21                   | 27.87                                   | - 51.13 |
| Renal agenesis or dysgenesis                                     | < 20                | 62           | 5.59                    | 4.29                                    | - 7.17  |
|  | 20-24               | 94           | 4.69                    | 3.79                                    | - 5.74  |
|  | 25-29               | 103          | 5.36                    | 4.33                                    | - 6.40  |
|  | 30-34               | 64           | 4.70                    | 3.62                                    | - 6.01  |
|  | 35-39               | 30           | 4.91                    | 3.31                                    | - 7.01  |
|  | 40 +                | 9            | 7.64                    | 3.49                                    | - 14.51 |
| Obstructive genitourinary defect *<br>(p=0.0001)                 | < 20                | 214          | 19.29                   | 16.71                                   | - 21.88 |
|  | 20-24               | 361          | 18.00                   | 16.15                                   | - 19.86 |
|  | 25-29               | 339          | 17.65                   | 15.77                                   | - 19.53 |
|  | 30-34               | 286          | 21.02                   | 18.59                                   | - 23.46 |
|  | 35-39               | 154          | 25.21                   | 21.22                                   | - 29.19 |
|  | 40 +                | 38           | 32.27                   | 22.84                                   | - 44.29 |
| Bladder exstrophy  | < 20                | 3            | 0.27                    | 0.06                                    | - 0.79  |
|  | 20-24               | 5            | 0.25                    | 0.08                                    | - 0.58  |
|  | 25-29               | 5            | 0.26                    | 0.08                                    | - 0.61  |
|  | 30-34               | 1            | 0.07                    | 0.00                                    | - 0.41  |
|  | 35-39               | 0            | 0.00                    | 0.00                                    | - 0.60  |
|  | 40 +                | 0            | 0.00                    | 0.00                                    | - 3.13  |

Table 3: Prevalence of Selected Birth Defects by Mother's Age, Texas, 1999-2000

| Defect                                     | Mother's Age | Cases | Rate <sup>†</sup> | 95% Confidence Interval for Rate |   |       |
|--|--------------|-------|-------------------|----------------------------------|---|-------|
| <b>Musculoskeletal</b>                     |              |       |                   |                                  |   |       |
| Congenital hip dislocation *<br>(p=0.0166) | < 20         | 50    | 4.51              | 3.35                             | - | 5.94  |
|  | 20-24        | 86    | 4.29              | 3.43                             | - | 5.30  |
|  | 25-29        | 99    | 5.15              | 4.19                             | - | 6.28  |
|  | 30-34        | 74    | 5.44              | 4.27                             | - | 6.83  |
|  | 35-39        | 40    | 6.55              | 4.68                             | - | 8.92  |
|  | 40 +         | 14    | 11.89             | 6.50                             | - | 19.95 |
| Reduction defects of the upper limbs       | < 20         | 54    | 4.87              | 3.66                             | - | 6.35  |
|  | 20-24        | 68    | 3.39              | 2.63                             | - | 4.30  |
|  | 25-29        | 78    | 4.06              | 3.21                             | - | 5.07  |
|  | 30-34        | 58    | 4.26              | 3.24                             | - | 5.51  |
|  | 35-39        | 27    | 4.42              | 2.91                             | - | 6.43  |
|  | 40 +         | 7     | 5.94              | 2.39                             | - | 12.25 |
| Reduction defects of the lower limbs       | < 20         | 26    | 2.34              | 1.53                             | - | 3.43  |
|  | 20-24        | 37    | 1.85              | 1.30                             | - | 2.54  |
|  | 25-29        | 38    | 1.98              | 1.40                             | - | 2.72  |
|  | 30-34        | 22    | 1.62              | 1.01                             | - | 2.45  |
|  | 35-39        | 5     | 0.82              | 0.27                             | - | 1.91  |
|  | 40 +         | 5     | 4.25              | 1.38                             | - | 9.91  |
| Craniosynostosis *<br>(p=0.0008)           | < 20         | 34    | 3.07              | 2.12                             | - | 4.28  |
|  | 20-24        | 55    | 2.74              | 2.07                             | - | 3.57  |
|  | 25-29        | 74    | 3.85              | 3.03                             | - | 4.84  |
|  | 30-34        | 67    | 4.92              | 3.82                             | - | 6.25  |
|  | 35-39        | 33    | 5.40              | 3.72                             | - | 7.59  |
|  | 40 +         | 10    | 8.49              | 4.07                             | - | 15.62 |
| Diaphragmatic hernia                       | < 20         | 29    | 2.61              | 1.75                             | - | 3.75  |
|  | 20-24        | 50    | 2.49              | 1.85                             | - | 3.29  |
|  | 25-29        | 61    | 3.18              | 2.43                             | - | 4.08  |
|  | 30-34        | 42    | 3.09              | 2.23                             | - | 4.17  |
|  | 35-39        | 19    | 3.11              | 1.87                             | - | 4.86  |
|  | 40 +         | 4     | 3.40              | 0.93                             | - | 8.70  |
| Omphalocele *<br>(p=0.0006)                | < 20         | 21    | 1.89              | 1.17                             | - | 2.89  |
|  | 20-24        | 44    | 2.19              | 1.59                             | - | 2.95  |
|  | 25-29        | 33    | 1.72              | 1.18                             | - | 2.41  |
|  | 30-34        | 31    | 2.28              | 1.55                             | - | 3.23  |
|  | 35-39        | 17    | 2.78              | 1.62                             | - | 4.45  |
|  | 40 +         | 12    | 10.19             | 5.27                             | - | 17.80 |
| Gastroschisis *<br>(p<0.0001)              | < 20         | 124   | 11.18             | 9.21                             | - | 13.15 |
|  | 20-24        | 111   | 5.54              | 4.51                             | - | 6.57  |
|  | 25-29        | 27    | 1.41              | 0.93                             | - | 2.05  |
|  | 30-34        | 11    | 0.81              | 0.40                             | - | 1.45  |
|  | 35-39        | 5     | 0.82              | 0.27                             | - | 1.91  |
|  | 40 +         | 1     | 0.85              | 0.02                             | - | 4.73  |

Table 3: Prevalence of Selected Birth Defects by Mother's Age, Texas, 1999-2000

| Defect   | Mother's Age | Cases | Rate <sup>†</sup> | 95% Confidence Interval for Rate |          |
|--|--------------|-------|-------------------|----------------------------------|----------|
| <b>Chromosomal</b>   |              |       |                   |                                  |          |
| Trisomy 21 (Down syndrome) *<br>(p<0.0001)                                 | < 20         | 76    | 6.85              | 5.40                             | - 8.58   |
|  | 20-24        | 128   | 6.38              | 5.28                             | - 7.49   |
|  | 25-29        | 162   | 8.44              | 7.14                             | - 9.73   |
|  | 30-34        | 147   | 10.81             | 9.06                             | - 12.55  |
|  | 35-39        | 193   | 31.59             | 27.13                            | - 36.05  |
|  | 40 +         | 145   | 123.13            | 103.09                           | - 143.17 |
| Trisomy 13 (Patau syndrome) *<br>(p<0.0001)                                | < 20         | 12    | 1.08              | 0.56                             | - 1.89   |
|  | 20-24        | 18    | 0.90              | 0.53                             | - 1.42   |
|  | 25-29        | 17    | 0.89              | 0.52                             | - 1.42   |
|  | 30-34        | 13    | 0.96              | 0.51                             | - 1.63   |
|  | 35-39        | 26    | 4.26              | 2.78                             | - 6.24   |
|  | 40 +         | 8     | 6.79              | 2.93                             | - 13.39  |
| Trisomy 18 (Edwards syndrome) *<br>(p<0.0001)                              | < 20         | 15    | 1.35              | 0.76                             | - 2.23   |
|  | 20-24        | 17    | 0.85              | 0.49                             | - 1.36   |
|  | 25-29        | 25    | 1.30              | 0.84                             | - 1.92   |
|  | 30-34        | 28    | 2.06              | 1.37                             | - 2.97   |
|  | 35-39        | 36    | 5.89              | 4.13                             | - 8.16   |
|  | 40 +         | 33    | 28.02             | 19.29                            | - 39.35  |
| <b>Other</b>   |              |       |                   |                                  |          |
| Fetal alcohol syndrome or other alcohol related birth defects              | < 20         | 0     | 0.00              | 0.00                             | - 0.33   |
|  | 20-24        | 2     | 0.10              | 0.01                             | - 0.36   |
|  | 25-29        | 3     | 0.16              | 0.03                             | - 0.46   |
|  | 30-34        | 1     | 0.07              | 0.00                             | - 0.41   |
|  | 35-39        | 6     | 0.98              | 0.36                             | - 2.14   |
|  | 40 +         | 3     | 2.55              | 0.53                             | - 7.45   |
| <b>Infants and fetuses with any monitored birth defect *</b><br>(p<0.0001) |              |       |                   |                                  |          |
|  | < 20         | 3785  | 341.23            | 330.36                           | - 352.10 |
|  | 20-24        | 6383  | 318.35            | 310.54                           | - 326.16 |
|  | 25-29        | 6224  | 324.08            | 316.03                           | - 332.13 |
|  | 30-34        | 4614  | 339.16            | 329.38                           | - 348.95 |
|  | 35-39        | 2500  | 409.19            | 393.15                           | - 425.23 |
|  | 40 +         | 685   | 581.69            | 538.13                           | - 625.25 |

<sup>†</sup> cases per 10,000 live births

\* statistically significant by Poisson regression (p&lt;0.05)

Table 4: Prevalence of Selected Birth Defects by Mother's Race/Ethnicity, Texas, 1999-2000

| Defect                               | Mother's<br>Race/Ethnicity | Cases | Rate <sup>†</sup> | 95% Confidence<br>Interval for Rate |         |
|--------------------------------------|----------------------------|-------|-------------------|-------------------------------------|---------|
| <b>Central Nervous System</b>        |                            |       |                   |                                     |         |
| Anencephaly *                        | White                      | 68    | 2.40              | 1.87                                | - 3.05  |
| (p<0.0001)                           | African American           | 13    | 1.60              | 0.85                                | - 2.74  |
|                                      | Hispanic                   | 131   | 4.05              | 3.35                                | - 4.74  |
| Spina bifida without anencephaly *   | White                      | 90    | 3.18              | 2.56                                | - 3.91  |
| (p=0.0141)                           | African American           | 31    | 3.82              | 2.59                                | - 5.42  |
|                                      | Hispanic                   | 151   | 4.66              | 3.92                                | - 5.41  |
| Encephalocele                        | White                      | 23    | 0.81              | 0.52                                | - 1.22  |
|                                      | African American           | 5     | 0.62              | 0.20                                | - 1.44  |
|                                      | Hispanic                   | 39    | 1.20              | 0.86                                | - 1.65  |
| Microcephaly *                       | White                      | 132   | 4.67              | 3.87                                | - 5.46  |
| (p<0.0001)                           | African American           | 82    | 10.10             | 8.03                                | - 12.54 |
|                                      | Hispanic                   | 244   | 7.54              | 6.59                                | - 8.48  |
| Holoprosencephaly *                  | White                      | 18    | 0.64              | 0.38                                | - 1.01  |
| (p=0.0133)                           | African American           | 9     | 1.11              | 0.51                                | - 2.10  |
|                                      | Hispanic                   | 45    | 1.39              | 1.01                                | - 1.86  |
| Hydrocephaly                         | White                      | 219   | 7.74              | 6.72                                | - 8.77  |
|                                      | African American           | 81    | 9.98              | 7.92                                | - 12.40 |
|                                      | Hispanic                   | 237   | 7.32              | 6.39                                | - 8.25  |
| <b>Eye and Ear</b>                   |                            |       |                   |                                     |         |
| Anophthalmia                         | White                      | 5     | 0.18              | 0.06                                | 0.41    |
|                                      | African American           | 4     | 0.49              | 0.13                                | - 1.26  |
|                                      | Hispanic                   | 12    | 0.37              | 0.19                                | - 0.65  |
| Microphthalmia                       | White                      | 61    | 2.16              | 1.65                                | - 2.77  |
|                                      | African American           | 18    | 2.22              | 1.31                                | - 3.50  |
|                                      | Hispanic                   | 86    | 2.66              | 2.12                                | - 3.28  |
| Cataract                             | White                      | 34    | 1.20              | 0.83                                | - 1.68  |
|                                      | African American           | 13    | 1.60              | 0.85                                | - 2.74  |
|                                      | Hispanic                   | 56    | 1.73              | 1.31                                | - 2.25  |
| Aniridia                             | White                      | 2     | 0.07              | 0.01                                | - 0.26  |
|                                      | African American           | 1     | 0.12              | 0.00                                | - 0.69  |
|                                      | Hispanic                   | 1     | 0.03              | 0.00                                | - 0.17  |
| Anotia or microtia *                 | White                      | 48    | 1.70              | 1.25                                | - 2.25  |
| (p<0.0001)                           | African American           | 13    | 1.60              | 0.85                                | - 2.74  |
|                                      | Hispanic                   | 135   | 4.17              | 3.47                                | - 4.87  |
| <b>Cardiac and Circulatory</b>       |                            |       |                   |                                     |         |
| Common truncus                       | White                      | 18    | 0.64              | 0.38                                | - 1.01  |
|                                      | African American           | 8     | 0.99              | 0.43                                | 1.94    |
|                                      | Hispanic                   | 27    | 0.83              | 0.55                                | - 1.21  |
| Transposition of the great vessels * | White                      | 159   | 5.62              | 4.75                                | - 6.49  |
| (p=0.0069)                           | African American           | 25    | 3.08              | 1.99                                | - 4.55  |
|                                      | Hispanic                   | 147   | 4.54              | 3.81                                | - 5.27  |
| Tetralogy of Fallot                  | White                      | 81    | 2.86              | 2.27                                | - 3.56  |
|                                      | African American           | 25    | 3.08              | 1.99                                | - 4.55  |
|                                      | Hispanic                   | 93    | 2.87              | 2.32                                | - 3.52  |
| Ventricular septal defect *          | White                      | 1048  | 37.04             | 34.80                               | - 39.28 |
| (p<0.0001)                           | African American           | 233   | 28.70             | 25.01                               | - 32.39 |
|                                      | Hispanic                   | 1554  | 48.00             | 45.61                               | - 50.38 |

Prevalence by Mother's  
Race/Ethnicity  
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Table 4: Prevalence of Selected Birth Defects by Mother's Race/Ethnicity, Texas, 1999-2000

| <b>Defect</b>  | <b>Mother's<br/>Race/Ethnicity</b> | <b>Cases</b> | <b>Rate<sup>†</sup></b> | <b>95% Confidence<br/>Interval for Rate</b> |                         |
|--|------------------------------------|--------------|-------------------------|---|-------------------------|
|  |                                    |              |                         | <b>White</b>                                | <b>African American</b> |
| Atrial septal defect   | White                              | 1070         | 37.82                   | 35.55                                       | - 40.09                 |
|  | African American                   | 298          | 36.71                   | 32.54                                       | - 40.87                 |
|  | Hispanic                           | 1268         | 39.16                   | 37.01                                       | - 41.32                 |
| Endocardial cushion defect                                   | White                              | 117          | 4.14                    | 3.39  | - 4.88                  |
|  | African American                   | 40           | 4.93                    | 3.52  | - 6.71                  |
|  | Hispanic                           | 127          | 3.92                    | 3.24  | - 4.60                  |
| Pulmonary valve atresia or stenosis                          | White                              | 172          | 6.08                    | 5.17  | - 6.99                  |
|  | African American                   | 55           | 6.77                    | 5.10  | - 8.82                  |
|  | Hispanic                           | 207          | 6.39                    | 5.52  | - 7.26                  |
| Tricuspid valve atresia or stenosis                          | White                              | 45           | 1.59                    | 1.16  | - 2.13                  |
|  | African American                   | 21           | 2.59                    | 1.60  | - 3.95                  |
|  | Hispanic                           | 67           | 2.07                    | 1.60  | - 2.63                  |
| Ebstein anomaly  | White                              | 20           | 0.71                    | 0.43  | - 1.09                  |
|  | African American                   | 2            | 0.25                    | 0.03  | - 0.89                  |
|  | Hispanic                           | 24           | 0.74                    | 0.47  | - 1.10                  |
| Aortic valve stenosis *<br>(p=0.0044)                        | White                              | 79           | 2.79                    | 2.21  | - 3.48                  |
|  | African American                   | 8            | 0.99                    | 0.43  | - 1.94                  |
|  | Hispanic                           | 70           | 2.16                    | 1.69  | - 2.73                  |
| Hypoplastic left heart syndrome                              | White                              | 67           | 2.37                    | 1.84  | - 3.01                  |
|  | African American                   | 13           | 1.60                    | 0.85  | - 2.74                  |
|  | Hispanic                           | 58           | 1.79                    | 1.36  | - 2.32                  |
| Patent ductus arteriosus *<br>(p<0.0001)                     | White                              | 1093         | 38.63                   | 36.34                                       | - 40.92                 |
|  | African American                   | 309          | 38.06                   | 33.82                                       | - 42.31                 |
|  | Hispanic                           | 1468         | 45.34                   | 43.02                                       | - 47.66                 |
| Coarctation of the aorta                                     | White                              | 121          | 4.28                    | 3.51  | - 5.04                  |
|  | African American                   | 22           | 2.71                    | 1.70  | - 4.10                  |
|  | Hispanic                           | 142          | 4.39                    | 3.66  | - 5.11                  |
| <b>Respiratory</b>   |                                    |              |                         |   |                         |
| Choanal atresia or stenosis                                  | White                              | 33           | 1.17                    | 0.80  | - 1.64                  |
|  | African American                   | 7            | 0.86                    | 0.35  | - 1.78                  |
|  | Hispanic                           | 48           | 1.48                    | 1.09  | - 1.97                  |
| Agenesis, aplasia, or hypoplasia of the lung *<br>(p=0.0247) | White                              | 113          | 3.99                    | 3.26  | - 4.73                  |
|  | African American                   | 36           | 4.43                    | 3.11  | - 6.14                  |
|  | Hispanic                           | 178          | 5.50                    | 4.69  | - 6.31                  |
| <b>Oral Clefts</b>   |                                    |              |                         |   |                         |
| Cleft palate alone (without cleft lip) *<br>(p=0.0020)       | White                              | 206          | 7.28                    | 6.29  | - 8.28                  |
|  | African American                   | 35           | 4.31                    | 3.00  | - 6.00                  |
|  | Hispanic                           | 180          | 5.56                    | 4.75  | - 6.37                  |
| Cleft lip with or without cleft palate *<br>(p=0.0010)       | White                              | 295          | 10.43                   | 9.24  | - 11.62                 |
|  | African American                   | 57           | 7.02                    | 5.32  | - 9.10                  |
|  | Hispanic                           | 374          | 11.55                   | 10.38                                       | - 12.72                 |
| <b>Gastrointestinal</b>                                      |                                    |              |                         |   |                         |
| Tracheoesophageal fistula / esophageal atresia               | White                              | 70           | 2.47                    | 1.93  | - 3.13                  |
|  | African American                   | 10           | 1.23                    | 0.59  | - 2.27                  |
|  | Hispanic                           | 64           | 1.98                    | 1.52  | - 2.52                  |
| Pyloric stenosis *<br>(p<0.0001)                             | White                              | 583          | 20.61                   | 18.93                                       | - 22.28                 |
|  | African American                   | 74           | 9.11                    | 7.16  | - 11.44                 |
|  | Hispanic                           | 689          | 21.28                   | 19.69                                       | - 22.87                 |

Prevalence by Mother's  
Race/Ethnicity  
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Table 4: Prevalence of Selected Birth Defects by Mother's Race/Ethnicity, Texas, 1999-2000

| <b>Defect</b>   | <b>Mother's<br/>Race/Ethnicity</b> | <b>Cases</b> | <b>Rate<sup>†</sup></b> | <b>95% Confidence<br/>Interval for Rate</b> |                         |
|---|------------------------------------|--------------|-------------------------|---|-------------------------|
|   |                                    |              |                         | <b>White</b>                                | <b>African American</b> |
| Stenosis or atresia of small intestine *<br>(p=0.0377)                | White                              | 63           | 2.23                    | 1.71 -                                      | 2.85                    |
|   | African American                   | 28           | 3.45                    | 2.29 -                                      | 4.98                    |
|   | Hispanic                           | 104          | 3.21                    | 2.59 -                                      | 3.83                    |
| Stenosis or atresia of large intestine,<br>rectum,<br>or anal canal * | White                              | 120          | 4.24                    | 3.48 -                                      | 5.00                    |
|   | African American                   | 34           | 4.19                    | 2.90 -                                      | 5.85                    |
|   | Hispanic                           | 185          | 5.71                    | 4.89 -                                      | 6.54                    |
| Hirschsprung disease *<br>(p<0.0001)                                  | White                              | 39           | 1.38                    | 0.98 -                                      | 1.88                    |
|   | African American                   | 23           | 2.83                    | 1.80 -                                      | 4.25                    |
|   | Hispanic                           | 20           | 0.62                    | 0.38 -                                      | 0.95                    |
| Biliary atresia *<br>(p=0.0010)                                       | White                              | 14           | 0.49                    | 0.27 -                                      | 0.83                    |
|   | African American                   | 15           | 1.85                    | 1.03 -                                      | 3.05                    |
|   | Hispanic                           | 17           | 0.53                    | 0.31 -                                      | 0.84                    |
| <b>Genitourinary</b>  |                                    |              |                         |   |                         |
| Hypospadias or epispadias *<br>(p<0.0001)                             | White                              | 1122         | 39.66                   | 37.34 -                                     | 41.98                   |
|   | African American                   | 285          | 35.11                   | 31.03 -                                     | 39.18                   |
|   | Hispanic                           | 588          | 18.16                   | 16.69 -                                     | 19.63                   |
| Renal agenesis or dysgenesis  | White                              | 138          | 4.88                    | 4.06 -                                      | 5.69                    |
|   | African American                   | 39           | 4.80                    | 3.42 -                                      | 6.57                    |
|   | Hispanic                           | 177          | 5.47                    | 4.66 -                                      | 6.27                    |
| Obstructive genitourinary defect                                      | White                              | 585          | 20.68                   | 19.00 -                                     | 22.35                   |
|   | African American                   | 145          | 17.86                   | 14.95 -                                     | 20.77                   |
|   | Hispanic                           | 627          | 19.37                   | 17.85 -                                     | 20.88                   |
| Bladder exstrophy   | White                              | 6            | 0.21                    | 0.08 -                                      | 0.46                    |
|   | African American                   | 1            | 0.12                    | 0.00 -                                      | 0.69                    |
|   | Hispanic                           | 7            | 0.22                    | 0.09 -                                      | 0.45                    |
| <b>Musculoskeletal</b>  |                                    |              |                         |   |                         |
| Congenital hip dislocation *<br>(p=0.0109)                            | White                              | 152          | 5.37                    | 4.52 -                                      | 6.23                    |
|   | African American                   | 25           | 3.08                    | 1.99 -                                      | 4.55                    |
|   | Hispanic                           | 179          | 5.53                    | 4.72 -                                      | 6.34                    |
| Reduction defects of the upper limbs                                  | White                              | 107          | 3.78                    | 3.07 -                                      | 4.50                    |
|   | African American                   | 36           | 4.43                    | 3.11 -                                      | 6.14                    |
|   | Hispanic                           | 140          | 4.32                    | 3.61 -                                      | 5.04                    |
| Reduction defects of the lower limbs *<br>(p=0.0032)                  | White                              | 34           | 1.20                    | 0.83 -                                      | 1.68                    |
|   | African American                   | 20           | 2.46                    | 1.50 -                                      | 3.80                    |
|   | Hispanic                           | 73           | 2.25                    | 1.77 -                                      | 2.83                    |
| Craniosynostosis *<br>(p<0.0001)                                      | White                              | 153          | 5.41                    | 4.55 -                                      | 6.26                    |
|   | African American                   | 5            | 0.62                    | 0.20 -                                      | 1.44                    |
|   | Hispanic                           | 106          | 3.27                    | 2.65 -                                      | 3.90                    |
| Diaphragmatic hernia  | White                              | 90           | 3.18                    | 2.56 -                                      | 3.91                    |
|   | African American                   | 22           | 2.71                    | 1.70 -                                      | 4.10                    |
|   | Hispanic                           | 88           | 2.72                    | 2.18 -                                      | 3.35                    |
| Omphalocele   | White                              | 61           | 2.16                    | 1.65 -                                      | 2.77                    |
|   | African American                   | 22           | 2.71                    | 1.70 -                                      | 4.10                    |
|   | Hispanic                           | 67           | 2.07                    | 1.60 -                                      | 2.63                    |
| Gastroschisis *<br>(p<0.0001)   | White                              | 91           | 3.22                    | 2.59 -                                      | 3.95                    |
|   | African American                   | 18           | 2.22                    | 1.31 -                                      | 3.50                    |
|   | Hispanic                           | 163          | 5.03                    | 4.26 -                                      | 5.81                    |

Prevalence by Mother's  
Race/Ethnicity  
Page 3 of 4

Table 4: Prevalence of Selected Birth Defects by Mother's Race/Ethnicity, Texas, 1999-2000

| Defect   | Mother's<br>Race/Ethnicity | Cases | Rate <sup>†</sup> | 95% Confidence<br>Interval for Rate |          |
|--|----------------------------|-------|-------------------|-------------------------------------|----------|
| <b>Chromosomal</b>   |                            |       |                   |                                     |          |
| Trisomy 21 (Down syndrome) *<br>(p<0.0001)                                     | White                      | 333   | 11.77             | 10.51                               | - 13.03  |
|  | African American           | 52    | 6.41              | 4.78                                | - 8.40   |
|  | Hispanic                   | 434   | 13.40             | 12.14                               | - 14.67  |
| Trisomy 13 (Patau syndrome)  | White                      | 31    | 1.10              | 0.74                                | - 1.56   |
|  | African American           | 14    | 1.72              | 0.94                                | - 2.89   |
|  | Hispanic                   | 42    | 1.30              | 0.93                                | - 1.75   |
| Trisomy 18 (Edwards syndrome)  | White                      | 64    | 2.26              | 1.74                                | - 2.89   |
|  | African American           | 16    | 1.97              | 1.13                                | - 3.20   |
|  | Hispanic                   | 60    | 1.85              | 1.41                                | - 2.39   |
| <b>Other</b>   |                            |       |                   |                                     |          |
| Fetal alcohol syndrome or other alcohol related birth defects                  | White                      | 8     | 0.28              | 0.12                                | - 0.56   |
|  | African American           | 4     | 0.49              | 0.13                                | - 1.26   |
|  | Hispanic                   | 3     | 0.09              | 0.02                                | - 0.27   |
| <b>Infants and fetuses with any monitored birth defect *<br/>(p&lt;0.0001)</b> | White                      | 10010 | 353.80            | 346.87                              | - 360.73 |
|  | African American           | 2687  | 330.97            | 318.46                              | - 343.49 |
|  | Hispanic                   | 10808 | 333.82            | 327.52                              | - 340.11 |

<sup>†</sup> cases per 10,000 live births

\* statistically significant by Poisson regression (p&lt;0.05)

Table 5: Prevalence of Selected Birth Defects by Sex of Infant or Fetus, Texas, 1999-2000

| <b>Defect</b>                        | <b>Sex<sup>‡</sup></b> | <b>Cases</b> | <b>Rate<sup>†</sup></b> | <b>95% Confidence Interval for Rate</b> |   |       |
|--------------------------------------|------------------------|--------------|-------------------------|---|---|-------|
|                                      |                        |              |                         | <b>95% Confidence Interval for Rate</b> |   |       |
| <b>Central Nervous System</b>        |                        |              |                         |   |   |       |
| Anencephaly                          | Male                   | 90           | 2.47                    | 1.99                                    | - | 3.04  |
|                                      | Female                 | 102          | 2.93                    | 2.36                                    | - | 3.50  |
| Spina bifida without anencephaly     | Male                   | 140          | 3.85                    | 3.21                                    | - | 4.48  |
|                                      | Female                 | 137          | 3.93                    | 3.27                                    | - | 4.59  |
| Encephalocele                        | Male                   | 32           | 0.88                    | 0.60                                    | - | 1.24  |
|                                      | Female                 | 31           | 0.89                    | 0.60                                    | - | 1.26  |
| Microcephaly *                       | Male                   | 210          | 5.77                    | 4.99                                    | - | 6.55  |
| (p=0.0054)                           | Female                 | 260          | 7.46                    | 6.55                                    | - | 8.37  |
| Holoprosencephaly                    | Male                   | 34           | 0.93                    | 0.65                                    | - | 1.31  |
|                                      | Female                 | 42           | 1.21                    | 0.87                                    | - | 1.63  |
| Hydrocephaly *                       | Male                   | 307          | 8.43                    | 7.49                                    | - | 9.38  |
| (p=0.0126)                           | Female                 | 237          | 6.80                    | 5.94                                    | - | 7.67  |
| <b>Eye and Ear</b>                   |                        |              |                         |   |   |       |
| Anophthalmia                         | Male                   | 10           | 0.27                    | 0.13                                    | - | 0.51  |
|                                      | Female                 | 10           | 0.29                    | 0.14                                    | - | 0.53  |
| Microphtalmia                        | Male                   | 77           | 2.12                    | 1.67                                    | - | 2.64  |
|                                      | Female                 | 91           | 2.61                    | 2.10                                    | - | 3.21  |
| Cataract                             | Male                   | 49           | 1.35                    | 1.00                                    | - | 1.78  |
|                                      | Female                 | 54           | 1.55                    | 1.16                                    | - | 2.02  |
| Aniridia                             | Male                   | 3            | 0.08                    | 0.02                                    | - | 0.24  |
|                                      | Female                 | 1            | 0.03                    | 0.00                                    | - | 0.16  |
| Anotia or microtia                   | Male                   | 96           | 2.64                    | 2.14                                    | - | 3.22  |
|                                      | Female                 | 102          | 2.93                    | 2.36                                    | - | 3.50  |
| <b>Cardiac and Circulatory</b>       |                        |              |                         |   |   |       |
| Common truncus                       | Male                   | 28           | 0.77                    | 0.51                                    | - | 1.11  |
|                                      | Female                 | 27           | 0.77                    | 0.51                                    | - | 1.13  |
| Transposition of the great vessels * | Male                   | 209          | 5.74                    | 4.96                                    | - | 6.52  |
| (p<0.0001)                           | Female                 | 128          | 3.67                    | 3.04                                    | - | 4.31  |
| Tetralogy of Fallot                  | Male                   | 106          | 2.91                    | 2.36                                    | - | 3.47  |
|                                      | Female                 | 102          | 2.93                    | 2.36                                    | - | 3.50  |
| Ventricular septal defect *          | Male                   | 1353         | 37.17                   | 35.19                                   | - | 39.15 |
| (p<0.0001)                           | Female                 | 1533         | 44.00                   | 41.79                                   | - | 46.20 |
| Atrial septal defect                 | Male                   | 1411         | 38.76                   | 36.74                                   | - | 40.78 |
|                                      | Female                 | 1288         | 36.96                   | 34.95                                   | - | 38.98 |
| Endocardial cushion defect           | Male                   | 137          | 3.76                    | 3.13                                    | - | 4.39  |
|                                      | Female                 | 153          | 4.39                    | 3.70                                    | - | 5.09  |
| Pulmonary valve atresia or stenosis  | Male                   | 216          | 5.93                    | 5.14                                    | - | 6.72  |
|                                      | Female                 | 230          | 6.60                    | 5.75                                    | - | 7.45  |
| Tricuspid valve atresia or stenosis  | Male                   | 73           | 2.01                    | 1.57                                    | - | 2.52  |
|                                      | Female                 | 63           | 1.81                    | 1.39                                    | - | 2.31  |
| Ebstein anomaly                      | Male                   | 20           | 0.55                    | 0.34                                    | - | 0.85  |
|                                      | Female                 | 29           | 0.83                    | 0.56                                    | - | 1.20  |
| Aortic valve stenosis *              | Male                   | 101          | 2.77                    | 2.23                                    | - | 3.32  |
| (p=0.0012)                           | Female                 | 57           | 1.64                    | 1.24                                    | - | 2.12  |
| Hypoplastic left heart syndrome *    | Male                   | 83           | 2.28                    | 1.82                                    | - | 2.83  |
| (p=0.0413)                           | Female                 | 56           | 1.61                    | 1.21                                    | - | 2.09  |
| Patent ductus arteriosus             | Male                   | 1557         | 42.77                   | 40.65                                   | - | 44.89 |
|                                      | Female                 | 1389         | 39.86                   | 37.77                                   | - | 41.96 |

Table 5: Prevalence of Selected Birth Defects by Sex of Infant or Fetus, Texas, 1999-2000

| <b>Defect</b>   | <b>Sex<sup>‡</sup></b> | <b>Cases</b> | <b>Rate<sup>†</sup></b> | <b>95% Confidence Interval for Rate</b> |   |       |
|---|------------------------|--------------|-------------------------|---|---|-------|
|   |                        |              |                         | <b>Interval for Rate</b>                |   |       |
| Coarctation of the aorta                                      | Male                   | 164          | 4.50                    | 3.82                                    | - | 5.19  |
|   | Female                 | 126          | 3.62                    | 2.98                                    | - | 4.25  |
| <b>Respiratory</b>  |                        |              |                         |   |   |       |
| Choanal atresia or stenosis                                   | Male                   | 41           | 1.13                    | 0.81                                    | - | 1.53  |
|   | Female                 | 47           | 1.35                    | 0.99                                    | - | 1.79  |
| Agenesis, aplasia, or hypoplasia of the lung                  | Male                   | 176          | 4.83                    | 4.12                                    | - | 5.55  |
|   | Female                 | 155          | 4.45                    | 3.75                                    | - | 5.15  |
| <b>Oral Clefts</b>  |                        |              |                         |   |   |       |
| Cleft palate alone (without cleft lip) *(p=0.0102)            | Male                   | 195          | 5.36                    | 4.60                                    | - | 6.11  |
|   | Female                 | 239          | 6.86                    | 5.99                                    | - | 7.73  |
| Cleft lip with or without cleft palate *(p<0.0001)            | Male                   | 463          | 12.72                   | 11.56                                   | - | 13.88 |
|   | Female                 | 295          | 8.47                    | 7.50                                    | - | 9.43  |
| <b>Gastrointestinal</b>                                       |                        |              |                         |   |   |       |
| Tracheoesophageal fistula / esophageal atresia                | Male                   | 74           | 2.03                    | 1.60                                    | - | 2.55  |
|   | Female                 | 73           | 2.10                    | 1.64                                    | - | 2.63  |
| Pyloric stenosis *<br>(p<0.0001)                              | Male                   | 1103         | 30.30                   | 28.51                                   | - | 32.09 |
|   | Female                 | 257          | 7.38                    | 6.47                                    | - | 8.28  |
| Stenosis or atresia of small intestine                        | Male                   | 95           | 2.61                    | 2.11                                    | - | 3.19  |
|   | Female                 | 105          | 3.01                    | 2.44                                    | - | 3.59  |
| Stenosis or atresia of large intestine, rectum, or anal canal | Male                   | 185          | 5.08                    | 4.35                                    | - | 5.81  |
|   | Female                 | 156          | 4.48                    | 3.77                                    | - | 5.18  |
| Hirschsprung disease *<br>(p=0.0003)                          | Male                   | 60           | 1.65                    | 1.26                                    | - | 2.12  |
|   | Female                 | 25           | 0.72                    | 0.46                                    | - | 1.06  |
| Biliary atresia *<br>(p=0.0105)                               | Male                   | 17           | 0.47                    | 0.27                                    | - | 0.75  |
|   | Female                 | 34           | 0.98                    | 0.68                                    | - | 1.36  |
| <b>Genitourinary</b>  |                        |              |                         |   |   |       |
| Hypospadias or epispadias *<br>(p<0.0001)                     | Male                   | 2042         | 56.09                   | 53.66                                   | - | 58.53 |
|   | Female                 | 1            | 0.03                    | 0.00                                    | - | 0.16  |
| Renal agenesis or dysgenesis *<br>(p=0.0002)                  | Male                   | 215          | 5.91                    | 5.12                                    | - | 6.70  |
|   | Female                 | 137          | 3.93                    | 3.27                                    | - | 4.59  |
| Obstructive genitourinary defect *<br>(p<0.0001)              | Male                   | 976          | 26.81                   | 25.13                                   | - | 28.49 |
|   | Female                 | 410          | 11.77                   | 10.63                                   | - | 12.91 |
| Bladder exstrophy   | Male                   | 6            | 0.16                    | 0.06                                    | - | 0.36  |
|   | Female                 | 8            | 0.23                    | 0.10                                    | - | 0.45  |
| <b>Musculoskeletal</b>  |                        |              |                         |   |   |       |
| Congenital hip dislocation *<br>(p<0.0001)                    | Male                   | 100          | 2.75                    | 2.24                                    | - | 3.34  |
|   | Female                 | 262          | 7.52                    | 6.61                                    | - | 8.43  |
| Reduction defects of the upper limbs                          | Male                   | 151          | 4.15                    | 3.49                                    | - | 4.81  |
|   | Female                 | 140          | 4.02                    | 3.35                                    | - | 4.68  |
| Reduction defects of the lower limbs                          | Male                   | 74           | 2.03                    | 1.60                                    | - | 2.55  |
|   | Female                 | 56           | 1.61                    | 1.21                                    | - | 2.09  |
| Craniosynostosis *<br>(p<0.0001)                              | Male                   | 174          | 4.78                    | 4.07                                    | - | 5.49  |
|   | Female                 | 98           | 2.81                    | 2.28                                    | - | 3.43  |
| Diaphragmatic hernia  | Male                   | 107          | 2.94                    | 2.38                                    | - | 3.50  |
|   | Female                 | 96           | 2.76                    | 2.23                                    | - | 3.36  |
| Omphalocele   | Male                   | 88           | 2.42                    | 1.94                                    | - | 2.98  |
|   | Female                 | 63           | 1.81                    | 1.39                                    | - | 2.31  |
| Gastroschisis   | Male                   | 152          | 4.18                    | 3.51                                    | - | 4.84  |
|   | Female                 | 124          | 3.56                    | 2.93                                    | - | 4.19  |

Table 5: Prevalence of Selected Birth Defects by Sex of Infant or Fetus, Texas, 1999-2000

| Defect   | Sex <sup>‡</sup> | Cases  | Rate <sup>†</sup> | 95% Confidence Interval for Rate |                 |
|--|------------------|--------|-------------------|----------------------------------|-----------------|
| <b>Chromosomal</b>   |                  |        |                   |                                  |                 |
| Trisomy 21 (Down syndrome) *<br>(p=0.0103)                                 | Male             | 469    | 12.88             | 11.72                            | - 14.05         |
|  | Female           | 376    | 10.79             | 9.70                             | - 11.88         |
| Trisomy 13 (Patau syndrome)  | Male             | 42     | 1.15              | 0.83                             | - 1.56          |
|  | Female           | 49     | 1.41              | 1.04                             | - 1.86          |
| Trisomy 18 (Edwards syndrome)  | Male             | 68     | 1.87              | 1.45                             | - 2.37          |
|  | Female           | 81     | 2.32              | 1.85                             | - 2.89          |
| <b>Other</b>   |                  |        |                   |                                  |                 |
| Fetal alcohol syndrome or other alcohol related birth defects              | Male             | 6      | 0.16              | 0.06                             | - 0.36          |
|  | Female           | 9      | 0.26              | 0.12                             | - 0.49          |
| <b>Infants and fetuses with any monitored birth defect *</b><br>(p<0.0001) |                  | Male   | 14247             | 391.36                           | 384.93 - 397.78 |
|  |                  | Female | 9820              | 281.83                           | 276.25 - 287.40 |

‡ excludes infants and fetuses with undetermined sex

† cases per 10,000 live births

\* statistically significant by Poisson regression (p<0.05)

Table 6: Prevalence of Selected Birth Defects, Texas Region 1, 1999-2000

| Defect  | Cases | Rate <sup>†</sup> | 95% Confidence Interval for Rate |          |
|---|-------|-------------------|----------------------------------|----------|
| <b>Central Nervous System</b>                                 |       |                   |                                  |          |
| Anencephaly   | 4     | 1.64              | 0.45                             | - 4.19   |
| Spina bifida without anencephaly                              | 7     | 2.86              | 1.15                             | - 5.90   |
| Encephalocele   | 4     | 1.64              | 0.45                             | - 4.19   |
| Microcephaly  | 17    | 6.95              | 4.05                             | - 11.13  |
| Holoprosencephaly   | 5     | 2.04              | 0.66                             | - 4.77   |
| Hydrocephaly  | 16    | 6.54              | 3.74                             | - 10.63  |
| <b>Eye and Ear</b>  |       |                   |                                  |          |
| Anophthalmia  | 0     | 0.00              | 0.00                             | - 1.51   |
| Microphthalmia  | 4     | 1.64              | 0.45                             | - 4.19   |
| Cataract  | 5     | 2.04              | 0.66                             | - 4.77   |
| Aniridia  | 0     | 0.00              | 0.00                             | - 1.51   |
| Anotia or microtia  | 6     | 2.45              | 0.90                             | - 5.34   |
| <b>Cardiac and Circulatory</b>                                |       |                   |                                  |          |
| Common truncus  | 2     | 0.82              | 0.10                             | - 2.95   |
| Transposition of the great vessels                            | 16    | 6.54              | 3.74                             | - 10.63  |
| Tetralogy of Fallot   | 5     | 2.04              | 0.66                             | - 4.77   |
| Ventricular septal defect                                     | 101   | 41.30             | 33.25                            | - 49.36  |
| Atrial septal defect  | 113   | 46.21             | 37.69                            | - 54.73  |
| Endocardial cushion defect                                    | 17    | 6.95              | 4.05                             | - 11.13  |
| Pulmonary valve atresia or stenosis                           | 18    | 7.36              | 4.36                             | - 11.63  |
| Tricuspid valve atresia or stenosis                           | 3     | 1.23              | 0.25                             | - 3.59   |
| Ebstein anomaly   | 2     | 0.82              | 0.10                             | - 2.95   |
| Aortic valve stenosis   | 12    | 4.91              | 2.54                             | - 8.57   |
| Hypoplastic left heart syndrome                               | 8     | 3.27              | 1.41                             | - 6.45   |
| Patent ductus arteriosus                                      | 147   | 60.12             | 50.40                            | - 69.83  |
| Coarctation of the aorta                                      | 8     | 3.27              | 1.41                             | - 6.45   |
| <b>Respiratory</b>  |       |                   |                                  |          |
| Choanal atresia or stenosis                                   | 4     | 1.64              | 0.45                             | - 4.19   |
| Agenesis, aplasia, or hypoplasia of the lung                  | 5     | 2.04              | 0.66                             | - 4.77   |
| <b>Oral Clefts</b>  |       |                   |                                  |          |
| Cleft palate alone (without cleft lip)                        | 12    | 4.91              | 2.54                             | - 8.57   |
| Cleft lip with or without cleft palate                        | 43    | 17.58             | 12.73                            | - 23.69  |
| <b>Gastrointestinal</b>                                       |       |                   |                                  |          |
| Tracheoesophageal fistula / esophageal atresia                | 9     | 3.68              | 1.68                             | - 6.99   |
| Pyloric stenosis  | 67    | 27.40             | 21.23                            | - 34.80  |
| Stenosis or atresia of small intestine                        | 10    | 4.09              | 1.96                             | - 7.52   |
| Stenosis or atresia of large intestine, rectum, or anal canal | 24    | 9.81              | 6.29                             | - 14.60  |
| Hirschsprung disease  | 3     | 1.23              | 0.25                             | - 3.59   |
| Biliary atresia   | 4     | 1.64              | 0.45                             | - 4.19   |
| <b>Genitourinary</b>  |       |                   |                                  |          |
| Hypospadias or epispadias                                     | 79    | 32.31             | 25.58                            | - 40.26  |
| Renal agenesis or dysgenesis                                  | 13    | 5.32              | 2.83                             | - 9.09   |
| Obstructive genitourinary defect                              | 58    | 23.72             | 18.01                            | - 30.66  |
| Bladder exstrophy   | 0     | 0.00              | 0.00                             | - 1.51   |
| <b>Musculoskeletal</b>  |       |                   |                                  |          |
| Congenital hip dislocation                                    | 7     | 2.86              | 1.15                             | - 5.90   |
| Reduction defects of the upper limbs                          | 9     | 3.68              | 1.68                             | - 6.99   |
| Reduction defects of the lower limbs                          | 6     | 2.45              | 0.90                             | - 5.34   |
| Craniosynostosis  | 11    | 4.50              | 2.25                             | - 8.05   |
| Diaphragmatic hernia  | 7     | 2.86              | 1.15                             | - 5.90   |
| Omphalocele   | 5     | 2.04              | 0.66                             | - 4.77   |
| Gastroschisis   | 11    | 4.50              | 2.25                             | - 8.05   |
| <b>Chromosomal</b>  |       |                   |                                  |          |
| Trisomy 21 (Down syndrome)                                    | 34    | 13.90             | 9.63                             | - 19.43  |
| Trisomy 13 (Patau syndrome)                                   | 6     | 2.45              | 0.90                             | - 5.34   |
| Trisomy 18 (Edwards syndrome)                                 | 3     | 1.23              | 0.25                             | - 3.59   |
| <b>Other</b>  |       |                   |                                  |          |
| Fetal alcohol syndrome or other alcohol related birth defects | 0     | 0.00              | 0.00                             | - 1.51   |
| <b>Infants and fetuses with any monitored birth defect</b>    |       |                   |                                  |          |
|   | 914   | 373.78            | 349.55                           | - 398.01 |

<sup>†</sup> cases per 10,000 live births

Table 7: Prevalence of Selected Birth Defects, Texas Region 2, 1999-2000

| Defect  | Cases | Rate <sup>†</sup> | 95% Confidence Interval for Rate |          |
|---|-------|-------------------|----------------------------------|----------|
| <b>Central Nervous System</b>                                 |       |                   |                                  |          |
| Anencephaly   | 9     | 6.04              | 2.76                             | - 11.47  |
| Spina bifida without anencephaly                              | 6     | 4.03              | 1.48                             | - 8.77   |
| Encephalocele   | 1     | 0.67              | 0.02                             | - 3.74   |
| Microcephaly  | 12    | 8.06              | 4.16                             | - 14.08  |
| Holoprosencephaly   | 2     | 1.34              | 0.16                             | - 4.85   |
| Hydrocephaly  | 12    | 8.06              | 4.16                             | - 14.08  |
| <b>Eye and Ear</b>  |       |                   |                                  |          |
| Anophthalmia  | 0     | 0.00              | 0.00                             | - 2.48   |
| Microphthalmia  | 3     | 2.01              | 0.42                             | - 5.89   |
| Cataract  | 3     | 2.01              | 0.42                             | - 5.89   |
| Aniridia  | 0     | 0.00              | 0.00                             | - 2.48   |
| Anotia or microtia  | 5     | 3.36              | 1.09                             | - 7.84   |
| <b>Cardiac and Circulatory</b>                                |       |                   |                                  |          |
| Common truncus  | 0     | 0.00              | 0.00                             | - 2.48   |
| Transposition of the great vessels                            | 11    | 7.39              | 3.69                             | - 13.22  |
| Tetralogy of Fallot   | 4     | 2.69              | 0.73                             | - 6.88   |
| Ventricular septal defect                                     | 68    | 45.67             | 35.46                            | - 57.89  |
| Atrial septal defect  | 77    | 51.71             | 40.81                            | - 64.63  |
| Endocardial cushion defect                                    | 5     | 3.36              | 1.09                             | - 7.84   |
| Pulmonary valve atresia or stenosis                           | 9     | 6.04              | 2.76                             | - 11.47  |
| Tricuspid valve atresia or stenosis                           | 2     | 1.34              | 0.16                             | - 4.85   |
| Ebstein anomaly   | 1     | 0.67              | 0.02                             | - 3.74   |
| Aortic valve stenosis   | 2     | 1.34              | 0.16                             | - 4.85   |
| Hypoplastic left heart syndrome                               | 6     | 4.03              | 1.48                             | - 8.77   |
| Patent ductus arteriosus                                      | 55    | 36.94             | 27.82                            | - 48.08  |
| Coarctation of the aorta                                      | 8     | 5.37              | 2.32                             | - 10.59  |
| <b>Respiratory</b>  |       |                   |                                  |          |
| Choanal atresia or stenosis                                   | 1     | 0.67              | 0.02                             | - 3.74   |
| Agenesis, aplasia, or hypoplasia of the lung                  | 6     | 4.03              | 1.48                             | - 8.77   |
| <b>Oral Clefts</b>  |       |                   |                                  |          |
| Cleft palate alone (without cleft lip)                        | 17    | 11.42             | 6.65                             | - 18.28  |
| Cleft lip with or without cleft palate                        | 16    | 10.74             | 6.14                             | - 17.45  |
| <b>Gastrointestinal</b>                                       |       |                   |                                  |          |
| Tracheoesophageal fistula / esophageal atresia                | 1     | 0.67              | 0.02                             | - 3.74   |
| Pyloric stenosis  | 36    | 24.18             | 16.93                            | - 33.47  |
| Stenosis or atresia of small intestine                        | 3     | 2.01              | 0.42                             | - 5.89   |
| Stenosis or atresia of large intestine, rectum, or anal canal | 11    | 7.39              | 3.69                             | - 13.22  |
| Hirschsprung disease  | 0     | 0.00              | 0.00                             | - 2.48   |
| Biliary atresia   | 1     | 0.67              | 0.02                             | - 3.74   |
| <b>Genitourinary</b>  |       |                   |                                  |          |
| Hypospadias or epispadias                                     | 44    | 29.55             | 21.47                            | - 39.67  |
| Renal agenesis or dysgenesis                                  | 7     | 4.70              | 1.89                             | - 9.69   |
| Obstructive genitourinary defect                              | 30    | 20.15             | 13.59                            | - 28.76  |
| Bladder exstrophy   | 1     | 0.67              | 0.02                             | - 3.74   |
| <b>Musculoskeletal</b>  |       |                   |                                  |          |
| Congenital hip dislocation                                    | 10    | 6.72              | 3.22                             | - 12.35  |
| Reduction defects of the upper limbs                          | 6     | 4.03              | 1.48                             | - 8.77   |
| Reduction defects of the lower limbs                          | 3     | 2.01              | 0.42                             | - 5.89   |
| Craniosynostosis  | 6     | 4.03              | 1.48                             | - 8.77   |
| Diaphragmatic hernia  | 7     | 4.70              | 1.89                             | - 9.69   |
| Omphalocele   | 6     | 4.03              | 1.48                             | - 8.77   |
| Gastroschisis   | 7     | 4.70              | 1.89                             | - 9.69   |
| <b>Chromosomal</b>  |       |                   |                                  |          |
| Trisomy 21 (Down syndrome)                                    | 11    | 7.39              | 3.69                             | - 13.22  |
| Trisomy 13 (Patau syndrome)                                   | 4     | 2.69              | 0.73                             | - 6.88   |
| Trisomy 18 (Edwards syndrome)                                 | 4     | 2.69              | 0.73                             | - 6.88   |
| <b>Other</b>  |       |                   |                                  |          |
| Fetal alcohol syndrome or other alcohol related birth defects | 1     | 0.67              | 0.02                             | - 3.74   |
| <b>Infants and fetuses with any monitored birth defect</b>    | 542   | 363.98            | 333.34                           | - 394.62 |

<sup>†</sup> cases per 10,000 live births

Table 8: Prevalence of Selected Birth Defects, Texas Region 3, 1999-2000

| Defect  | Cases       | Rate <sup>†</sup> | 95% Confidence Interval for Rate |                 |
|---|-------------|-------------------|----------------------------------|-----------------|
| <b>Central Nervous System</b>                                 |             |                   |                                  |                 |
| Anencephaly   | 69          | 3.66              | 2.84                             | -               |
| Spina bifida without anencephaly                              | 85          | 4.50              | 3.60                             | -               |
| Encephalocele   | 22          | 1.17              | 0.73                             | -               |
| Microcephaly  | 151         | 8.00              | 6.72                             | -               |
| Holoprosencephaly   | 26          | 1.38              | 0.90                             | -               |
| Hydrocephaly  | 159         | 8.42              | 7.11                             | -               |
| <b>Eye and Ear</b>  |             |                   |                                  |                 |
| Anophthalmia  | 10          | 0.53              | 0.25                             | -               |
| Microphtalmia   | 49          | 2.60              | 1.92                             | -               |
| Cataract  | 32          | 1.70              | 1.16                             | -               |
| Aniridia  | 0           | 0.00              | 0.00                             | -               |
| Anotia or microtia  | 47          | 2.49              | 1.83                             | -               |
| <b>Cardiac and Circulatory</b>                                |             |                   |                                  |                 |
| Common truncus  | 15          | 0.79              | 0.44                             | -               |
| Transposition of the great vessels                            | 110         | 5.83              | 4.74                             | -               |
| Tetralogy of Fallot   | 57          | 3.02              | 2.29                             | -               |
| Ventricular septal defect                                     | 727         | 38.52             | 35.72                            | -               |
| Atrial septal defect  | 867         | 45.94             | 42.88                            | -               |
| Endocardial cushion defect                                    | 97          | 5.14              | 4.17                             | -               |
| Pulmonary valve atresia or stenosis                           | 140         | 7.42              | 6.19                             | -               |
| Tricuspid valve atresia or stenosis                           | 45          | 2.38              | 1.74                             | -               |
| Ebstein anomaly   | 9           | 0.48              | 0.22                             | -               |
| Aortic valve stenosis   | 44          | 2.33              | 1.69                             | -               |
| Hypoplastic left heart syndrome                               | 38          | 2.01              | 1.42                             | -               |
| Patent ductus arteriosus                                      | 850         | 45.04             | 42.01                            | -               |
| Coarctation of the aorta                                      | 83          | 4.40              | 3.50                             | -               |
| <b>Respiratory</b>  |             |                   |                                  |                 |
| Choanal atresia or stenosis                                   | 28          | 1.48              | 0.99                             | -               |
| Agenesis, aplasia, or hypoplasia of the lung                  | 98          | 5.19              | 4.22                             | -               |
| <b>Oral Clefts</b>  |             |                   |                                  |                 |
| Cleft palate alone (without cleft lip)                        | 127         | 6.73              | 5.56                             | -               |
| Cleft lip with or without cleft palate                        | 230         | 12.19             | 10.61                            | -               |
| <b>Gastrointestinal</b>                                       |             |                   |                                  |                 |
| Tracheoesophageal fistula / esophageal atresia                | 45          | 2.38              | 1.74                             | -               |
| Pyloric stenosis  | 289         | 15.31             | 13.55                            | -               |
| Stenosis or atresia of small intestine                        | 57          | 3.02              | 2.29                             | -               |
| Stenosis or atresia of large intestine, rectum, or anal canal | 74          | 3.92              | 3.08                             | -               |
| Hirschsprung disease  | 25          | 1.32              | 0.86                             | -               |
| Biliary atresia   | 14          | 0.74              | 0.41                             | -               |
| <b>Genitourinary</b>  |             |                   |                                  |                 |
| Hypospadias or epispadias                                     | 630         | 33.38             | 30.77                            | -               |
| Renal agenesis or dysgenesis                                  | 110         | 5.83              | 4.74                             | -               |
| Obstructive genitourinary defect                              | 406         | 21.51             | 19.42                            | -               |
| Bladder exstrophy   | 6           | 0.32              | 0.12                             | -               |
| <b>Musculoskeletal</b>  |             |                   |                                  |                 |
| Congenital hip dislocation                                    | 98          | 5.19              | 4.22                             | -               |
| Reduction defects of the upper limbs                          | 106         | 5.62              | 4.55                             | -               |
| Reduction defects of the lower limbs                          | 40          | 2.12              | 1.51                             | -               |
| Craniosynostosis  | 106         | 5.62              | 4.55                             | -               |
| Diaphragmatic hernia  | 63          | 3.34              | 2.56                             | -               |
| Omphalocele   | 49          | 2.60              | 1.92                             | -               |
| Gastroschisis   | 65          | 3.44              | 2.66                             | -               |
| <b>Chromosomal</b>  |             |                   |                                  |                 |
| Trisomy 21 (Down syndrome)                                    | 278         | 14.73             | 13.00                            | -               |
| Trisomy 13 (Patau syndrome)                                   | 38          | 2.01              | 1.42                             | -               |
| Trisomy 18 (Edwards syndrome)                                 | 61          | 3.23              | 2.47                             | -               |
| <b>Other</b>  |             |                   |                                  |                 |
| Fetal alcohol syndrome or other alcohol related birth defects | 0           | 0.00              | 0.00                             | -               |
| <b>Infants and fetuses with any monitored birth defect</b>    | <b>7460</b> | <b>395.25</b>     | <b>386.28</b>                    | <b>- 404.22</b> |

<sup>†</sup> cases per 10,000 live births

Table 9: Prevalence of Selected Birth Defects, Texas Region 4, 1999-2000

| Defect  | Cases | Rate <sup>†</sup> | 95% Confidence Interval for Rate |   |
|---|-------|-------------------|----------------------------------|---|
| <b>Central Nervous System</b>                                 |       |                   |                                  |   |
| Anencephaly   | 12    | 4.31              | 2.23                             | - |
| Spina bifida without anencephaly                              | 12    | 4.31              | 2.23                             | - |
| Encephalocele   | 3     | 1.08              | 0.22                             | - |
| Microcephaly  | 13    | 4.67              | 2.49                             | - |
| Holoprosencephaly   | 1     | 0.36              | 0.01                             | - |
| Hydrocephaly  | 22    | 7.91              | 4.96                             | - |
| <b>Eye and Ear</b>  |       |                   |                                  |   |
| Anophthalmia  | 0     | 0.00              | 0.00                             | - |
| Microphthalmia  | 8     | 2.88              | 1.24                             | - |
| Cataract  | 2     | 0.72              | 0.09                             | - |
| Aniridia  | 1     | 0.36              | 0.01                             | - |
| Anotia or microtia  | 3     | 1.08              | 0.22                             | - |
| <b>Cardiac and Circulatory</b>                                |       |                   |                                  |   |
| Common truncus  | 3     | 1.08              | 0.22                             | - |
| Transposition of the great vessels                            | 13    | 4.67              | 2.49                             | - |
| Tetralogy of Fallot   | 14    | 5.03              | 2.75                             | - |
| Ventricular septal defect                                     | 54    | 19.41             | 14.58                            | - |
| Atrial septal defect  | 93    | 33.43             | 26.98                            | - |
| Endocardial cushion defect                                    | 12    | 4.31              | 2.23                             | - |
| Pulmonary valve atresia or stenosis                           | 12    | 4.31              | 2.23                             | - |
| Tricuspid valve atresia or stenosis                           | 7     | 2.52              | 1.01                             | - |
| Ebstein anomaly   | 1     | 0.36              | 0.01                             | - |
| Aortic valve stenosis   | 7     | 2.52              | 1.01                             | - |
| Hypoplastic left heart syndrome                               | 7     | 2.52              | 1.01                             | - |
| Patent ductus arteriosus                                      | 78    | 28.04             | 22.16                            | - |
| Coarctation of the aorta                                      | 13    | 4.67              | 2.49                             | - |
| <b>Respiratory</b>  |       |                   |                                  |   |
| Choanal atresia or stenosis                                   | 2     | 0.72              | 0.09                             | - |
| Agenesis, aplasia, or hypoplasia of the lung                  | 13    | 4.67              | 2.49                             | - |
| <b>Oral Clefts</b>  |       |                   |                                  |   |
| Cleft palate alone (without cleft lip)                        | 16    | 5.75              | 3.29                             | - |
| Cleft lip with or without cleft palate                        | 27    | 9.71              | 6.40                             | - |
| <b>Gastrointestinal</b>                                       |       |                   |                                  |   |
| Tracheoesophageal fistula / esophageal atresia                | 3     | 1.08              | 0.22                             | - |
| Pyloric stenosis  | 36    | 12.94             | 9.06                             | - |
| Stenosis or atresia of small intestine                        | 2     | 0.72              | 0.09                             | - |
| Stenosis or atresia of large intestine, rectum, or anal canal | 17    | 6.11              | 3.56                             | - |
| Hirschsprung disease  | 6     | 2.16              | 0.79                             | - |
| Biliary atresia   | 0     | 0.00              | 0.00                             | - |
| <b>Genitourinary</b>  |       |                   |                                  |   |
| Hypospadias or epispadias                                     | 92    | 33.07             | 26.66                            | - |
| Renal agenesis or dysgenesis                                  | 9     | 3.24              | 1.48                             | - |
| Obstructive genitourinary defect                              | 53    | 19.05             | 14.27                            | - |
| Bladder exstrophy   | 1     | 0.36              | 0.01                             | - |
| <b>Musculoskeletal</b>  |       |                   |                                  |   |
| Congenital hip dislocation                                    | 6     | 2.16              | 0.79                             | - |
| Reduction defects of the upper limbs                          | 12    | 4.31              | 2.23                             | - |
| Reduction defects of the lower limbs                          | 7     | 2.52              | 1.01                             | - |
| Craniosynostosis  | 7     | 2.52              | 1.01                             | - |
| Diaphragmatic hernia  | 15    | 5.39              | 3.02                             | - |
| Omphalocele   | 4     | 1.44              | 0.39                             | - |
| Gastroschisis   | 9     | 3.24              | 1.48                             | - |
| <b>Chromosomal</b>  |       |                   |                                  |   |
| Trisomy 21 (Down syndrome)                                    | 23    | 8.27              | 5.24                             | - |
| Trisomy 13 (Patau syndrome)                                   | 1     | 0.36              | 0.01                             | - |
| Trisomy 18 (Edwards syndrome)                                 | 5     | 1.80              | 0.58                             | - |
| <b>Other</b>  |       |                   |                                  |   |
| Fetal alcohol syndrome or other alcohol related birth defects | 1     | 0.36              | 0.01                             | - |
| <b>Infants and fetuses with any monitored birth defect</b>    | 796   | 286.15            | 266.27                           | - |
|   |       |                   | 306.02                           |   |

<sup>†</sup> cases per 10,000 live births

Table 10: Prevalence of Selected Birth Defects, Texas Region 5, 1999-2000

| Defect  | Cases | Rate <sup>†</sup> | 95% Confidence Interval for Rate |   |
|---|-------|-------------------|----------------------------------|---|
| <b>Central Nervous System</b>                                 |       |                   |                                  |   |
| Anencephaly   | 2     | 0.99              | 0.12                             | - |
| Spina bifida without anencephaly                              | 13    | 6.46              | 3.44                             | - |
| Encephalocele   | 0     | 0.00              | 0.00                             | - |
| Microcephaly  | 12    | 5.96              | 3.08                             | - |
| Holoprosencephaly   | 4     | 1.99              | 0.54                             | - |
| Hydrocephaly  | 18    | 8.94              | 5.30                             | - |
| <b>Eye and Ear</b>  |       |                   |                                  |   |
| Anophthalmia  | 3     | 1.49              | 0.31                             | - |
| Microphtalmia   | 1     | 0.50              | 0.01                             | - |
| Cataract  | 2     | 0.99              | 0.12                             | - |
| Aniridia  | 0     | 0.00              | 0.00                             | - |
| Anotia or microtia  | 3     | 1.49              | 0.31                             | - |
| <b>Cardiac and Circulatory</b>                                |       |                   |                                  |   |
| Common truncus  | 2     | 0.99              | 0.12                             | - |
| Transposition of the great vessels                            | 3     | 1.49              | 0.31                             | - |
| Tetralogy of Fallot   | 3     | 1.49              | 0.31                             | - |
| Ventricular septal defect                                     | 52    | 25.82             | 19.29                            | - |
| Atrial septal defect  | 22    | 10.93             | 6.85                             | - |
| Endocardial cushion defect                                    | 2     | 0.99              | 0.12                             | - |
| Pulmonary valve atresia or stenosis                           | 5     | 2.48              | 0.81                             | - |
| Tricuspid valve atresia or stenosis                           | 1     | 0.50              | 0.01                             | - |
| Ebstein anomaly   | 0     | 0.00              | 0.00                             | - |
| Aortic valve stenosis   | 4     | 1.99              | 0.54                             | - |
| Hypoplastic left heart syndrome                               | 2     | 0.99              | 0.12                             | - |
| Patent ductus arteriosus                                      | 45    | 22.35             | 16.30                            | - |
| Coarctation of the aorta                                      | 6     | 2.98              | 1.09                             | - |
| <b>Respiratory</b>  |       |                   |                                  |   |
| Choanal atresia or stenosis                                   | 3     | 1.49              | 0.31                             | - |
| Agenesis, aplasia, or hypoplasia of the lung                  | 8     | 3.97              | 1.72                             | - |
| <b>Oral Clefts</b>  |       |                   |                                  |   |
| Cleft palate alone (without cleft lip)                        | 8     | 3.97              | 1.72                             | - |
| Cleft lip with or without cleft palate                        | 17    | 8.44              | 4.92                             | - |
| <b>Gastrointestinal</b>                                       |       |                   |                                  |   |
| Tracheoesophageal fistula / esophageal atresia                | 3     | 1.49              | 0.31                             | - |
| Pyloric stenosis  | 46    | 22.84             | 16.73                            | - |
| Stenosis or atresia of small intestine                        | 8     | 3.97              | 1.72                             | - |
| Stenosis or atresia of large intestine, rectum, or anal canal | 9     | 4.47              | 2.04                             | - |
| Hirschsprung disease  | 4     | 1.99              | 0.54                             | - |
| Biliary atresia   | 0     | 0.00              | 0.00                             | - |
| <b>Genitourinary</b>  |       |                   |                                  |   |
| Hypospadias or epispadias                                     | 38    | 18.87             | 13.35                            | - |
| Renal agenesis or dysgenesis                                  | 15    | 7.45              | 4.17                             | - |
| Obstructive genitourinary defect                              | 44    | 21.85             | 15.88                            | - |
| Bladder exstrophy   | 2     | 0.99              | 0.12                             | - |
| <b>Musculoskeletal</b>  |       |                   |                                  |   |
| Congenital hip dislocation                                    | 10    | 4.97              | 2.38                             | - |
| Reduction defects of the upper limbs                          | 6     | 2.98              | 1.09                             | - |
| Reduction defects of the lower limbs                          | 7     | 3.48              | 1.40                             | - |
| Craniosynostosis  | 5     | 2.48              | 0.81                             | - |
| Diaphragmatic hernia  | 6     | 2.98              | 1.09                             | - |
| Omphalocele   | 4     | 1.99              | 0.54                             | - |
| Gastroschisis   | 11    | 5.46              | 2.73                             | - |
| <b>Chromosomal</b>  |       |                   |                                  |   |
| Trisomy 21 (Down syndrome)                                    | 15    | 7.45              | 4.17                             | - |
| Trisomy 13 (Patau syndrome)                                   | 4     | 1.99              | 0.54                             | - |
| Trisomy 18 (Edwards syndrome)                                 | 2     | 0.99              | 0.12                             | - |
| <b>Other</b>  |       |                   |                                  |   |
| Fetal alcohol syndrome or other alcohol related birth defects | 1     | 0.50              | 0.01                             | - |
| <b>Infants and fetuses with any monitored birth defect</b>    | 517   | 256.75            | 234.62                           | - |
|   |       |                   | 278.89                           |   |

<sup>†</sup> cases per 10,000 live births

Table 11: Prevalence of Selected Birth Defects, Texas Region 6, 1999-2000

| Defect  | Cases       | Rate <sup>†</sup> | 95% Confidence Interval for Rate |                 |
|---|-------------|-------------------|----------------------------------|-----------------|
| <b>Central Nervous System</b>                                 |             |                   |                                  |                 |
| Anencephaly   | 31          | 1.85              | 1.26                             | -               |
| Spina bifida without anencephaly                              | 53          | 3.17              | 2.37                             | -               |
| Encephalocele   | 11          | 0.66              | 0.33                             | -               |
| Microcephaly  | 103         | 6.15              | 4.96                             | -               |
| Holoprosencephaly   | 7           | 0.42              | 0.17                             | -               |
| Hydrocephaly  | 98          | 5.85              | 4.75                             | -               |
| <b>Eye and Ear</b>  |             |                   |                                  |                 |
| Anophthalmia  | 1           | 0.06              | 0.00                             | -               |
| Microphthalmia  | 23          | 1.37              | 0.87                             | -               |
| Cataract  | 18          | 1.08              | 0.64                             | -               |
| Aniridia  | 1           | 0.06              | 0.00                             | -               |
| Anotia or microtia  | 37          | 2.21              | 1.56                             | -               |
| <b>Cardiac and Circulatory</b>                                |             |                   |                                  |                 |
| Common truncus  | 10          | 0.60              | 0.29                             | -               |
| Transposition of the great vessels                            | 75          | 4.48              | 3.52                             | -               |
| Tetralogy of Fallot   | 41          | 2.45              | 1.76                             | -               |
| Ventricular septal defect                                     | 571         | 34.11             | 31.31                            | -               |
| Atrial septal defect  | 277         | 16.55             | 14.60                            | -               |
| Endocardial cushion defect                                    | 63          | 3.76              | 2.89                             | -               |
| Pulmonary valve atresia or stenosis                           | 80          | 4.78              | 3.79                             | -               |
| Tricuspid valve atresia or stenosis                           | 24          | 1.43              | 0.92                             | -               |
| Ebstein anomaly   | 9           | 0.54              | 0.25                             | -               |
| Aortic valve stenosis   | 31          | 1.85              | 1.26                             | -               |
| Hypoplastic left heart syndrome                               | 30          | 1.79              | 1.21                             | -               |
| Patent ductus arteriosus                                      | 396         | 23.66             | 21.33                            | -               |
| Coarctation of the aorta                                      | 41          | 2.45              | 1.76                             | -               |
| <b>Respiratory</b>  |             |                   |                                  |                 |
| Choanal atresia or stenosis                                   | 15          | 0.90              | 0.50                             | -               |
| Agenesis, aplasia, or hypoplasia of the lung                  | 68          | 4.06              | 3.15                             | -               |
| <b>Oral Clefts</b>  |             |                   |                                  |                 |
| Cleft palate alone (without cleft lip)                        | 107         | 6.39              | 5.18                             | -               |
| Cleft lip with or without cleft palate                        | 135         | 8.06              | 6.70                             | -               |
| <b>Gastrointestinal</b>                                       |             |                   |                                  |                 |
| Tracheoesophageal fistula / esophageal atresia                | 22          | 1.31              | 0.82                             | -               |
| Pyloric stenosis  | 323         | 19.29             | 17.19                            | -               |
| Stenosis or atresia of small intestine                        | 32          | 1.91              | 1.31                             | -               |
| Stenosis or atresia of large intestine, rectum, or anal canal | 76          | 4.54              | 3.58                             | -               |
| Hirschsprung disease  | 20          | 1.19              | 0.73                             | -               |
| Biliary atresia   | 16          | 0.96              | 0.55                             | -               |
| <b>Genitourinary</b>  |             |                   |                                  |                 |
| Hypospadias or epispadias                                     | 510         | 30.47             | 27.82                            | -               |
| Renal agenesis or dysgenesis                                  | 64          | 3.82              | 2.94                             | -               |
| Obstructive genitourinary defect                              | 328         | 19.59             | 17.47                            | -               |
| Bladder exstrophy   | 2           | 0.12              | 0.01                             | -               |
| <b>Musculoskeletal</b>  |             |                   |                                  |                 |
| Congenital hip dislocation                                    | 101         | 6.03              | 4.86                             | -               |
| Reduction defects of the upper limbs                          | 44          | 2.63              | 1.91                             | -               |
| Reduction defects of the lower limbs                          | 19          | 1.13              | 0.68                             | -               |
| Craniosynostosis  | 38          | 2.27              | 1.61                             | -               |
| Diaphragmatic hernia  | 35          | 2.09              | 1.46                             | -               |
| Omphalocele   | 30          | 1.79              | 1.21                             | -               |
| Gastroschisis   | 69          | 4.12              | 3.21                             | -               |
| <b>Chromosomal</b>  |             |                   |                                  |                 |
| Trisomy 21 (Down syndrome)                                    | 177         | 10.57             | 9.02                             | -               |
| Trisomy 13 (Patau syndrome)                                   | 16          | 0.96              | 0.55                             | -               |
| Trisomy 18 (Edwards syndrome)                                 | 31          | 1.85              | 1.26                             | -               |
| <b>Other</b>  |             |                   |                                  |                 |
| Fetal alcohol syndrome or other alcohol related birth defects | 3           | 0.18              | 0.04                             | -               |
| <b>Infants and fetuses with any monitored birth defect</b>    | <b>4922</b> | <b>294.02</b>     | <b>285.81</b>                    | <b>- 302.23</b> |

<sup>†</sup> cases per 10,000 live births

Table 12: Prevalence of Selected Birth Defects, Texas Region 7, 1999-2000

| Defect  | Cases       | Rate <sup>†</sup> | 95% Confidence Interval for Rate |                 |
|---|-------------|-------------------|----------------------------------|-----------------|
| <b>Central Nervous System</b>                                 |             |                   |                                  |                 |
| Anencephaly   | 8           | 1.07              | 0.46                             | -               |
| Spina bifida without anencephaly                              | 17          | 2.28              | 1.33                             | -               |
| Encephalocele   | 7           | 0.94              | 0.38                             | -               |
| Microcephaly  | 35          | 4.70              | 3.27                             | -               |
| Holoprosencephaly   | 8           | 1.07              | 0.46                             | -               |
| Hydrocephaly  | 60          | 8.05              | 6.14                             | -               |
| <b>Eye and Ear</b>  |             |                   |                                  |                 |
| Anophthalmia  | 1           | 0.13              | 0.00                             | -               |
| Microphthalmia  | 23          | 3.09              | 1.96                             | -               |
| Cataract  | 6           | 0.81              | 0.30                             | -               |
| Aniridia  | 2           | 0.27              | 0.03                             | -               |
| Anotia or microtia  | 19          | 2.55              | 1.54                             | -               |
| <b>Cardiac and Circulatory</b>                                |             |                   |                                  |                 |
| Common truncus  | 4           | 0.54              | 0.15                             | -               |
| Transposition of the great vessels                            | 29          | 3.89              | 2.61                             | -               |
| Tetralogy of Fallot   | 15          | 2.01              | 1.13                             | -               |
| Ventricular septal defect                                     | 215         | 28.85             | 24.99                            | -               |
| Atrial septal defect  | 122         | 16.37             | 13.47                            | -               |
| Endocardial cushion defect                                    | 19          | 2.55              | 1.54                             | -               |
| Pulmonary valve atresia or stenosis                           | 50          | 6.71              | 4.98                             | -               |
| Tricuspid valve atresia or stenosis                           | 9           | 1.21              | 0.55                             | -               |
| Ebstein anomaly   | 5           | 0.67              | 0.22                             | -               |
| Aortic valve stenosis   | 9           | 1.21              | 0.55                             | -               |
| Hypoplastic left heart syndrome                               | 13          | 1.74              | 0.93                             | -               |
| Patent ductus arteriosus                                      | 217         | 29.12             | 25.24                            | -               |
| Coarctation of the aorta                                      | 21          | 2.82              | 1.74                             | -               |
| <b>Respiratory</b>  |             |                   |                                  |                 |
| Choanal atresia or stenosis                                   | 8           | 1.07              | 0.46                             | -               |
| Agenesis, aplasia, or hypoplasia of the lung                  | 36          | 4.83              | 3.38                             | -               |
| <b>Oral Clefts</b>  |             |                   |                                  |                 |
| Cleft palate alone (without cleft lip)                        | 48          | 6.44              | 4.75                             | -               |
| Cleft lip with or without cleft palate                        | 76          | 10.20             | 8.04                             | -               |
| <b>Gastrointestinal</b>                                       |             |                   |                                  |                 |
| Tracheoesophageal fistula / esophageal atresia                | 13          | 1.74              | 0.93                             | -               |
| Pyloric stenosis  | 104         | 13.96             | 11.27                            | -               |
| Stenosis or atresia of small intestine                        | 22          | 2.95              | 1.85                             | -               |
| Stenosis or atresia of large intestine, rectum, or anal canal | 18          | 2.42              | 1.43                             | -               |
| Hirschsprung disease  | 8           | 1.07              | 0.46                             | -               |
| Biliary atresia   | 4           | 0.54              | 0.15                             | -               |
| <b>Genitourinary</b>  |             |                   |                                  |                 |
| Hypospadias or epispadias                                     | 221         | 29.66             | 25.75                            | -               |
| Renal agenesis or dysgenesis                                  | 36          | 4.83              | 3.38                             | -               |
| Obstructive genitourinary defect                              | 128         | 17.18             | 14.20                            | -               |
| Bladder exstrophy   | 1           | 0.13              | 0.00                             | -               |
| <b>Musculoskeletal</b>  |             |                   |                                  |                 |
| Congenital hip dislocation                                    | 40          | 5.37              | 3.83                             | -               |
| Reduction defects of the upper limbs                          | 23          | 3.09              | 1.96                             | -               |
| Reduction defects of the lower limbs                          | 8           | 1.07              | 0.46                             | -               |
| Craniosynostosis  | 15          | 2.01              | 1.13                             | -               |
| Diaphragmatic hernia  | 23          | 3.09              | 1.96                             | -               |
| Omphalocele   | 18          | 2.42              | 1.43                             | -               |
| Gastroschisis   | 29          | 3.89              | 2.61                             | -               |
| <b>Chromosomal</b>  |             |                   |                                  |                 |
| Trisomy 21 (Down syndrome)                                    | 56          | 7.51              | 5.68                             | -               |
| Trisomy 13 (Patau syndrome)                                   | 5           | 0.67              | 0.22                             | -               |
| Trisomy 18 (Edwards syndrome)                                 | 6           | 0.81              | 0.30                             | -               |
| <b>Other</b>  |             |                   |                                  |                 |
| Fetal alcohol syndrome or other alcohol related birth defects | 3           | 0.40              | 0.08                             | -               |
| <b>Infants and fetuses with any monitored birth defect</b>    | <b>2123</b> | <b>284.89</b>     | <b>272.77</b>                    | <b>- 297.00</b> |

<sup>†</sup> cases per 10,000 live births

Table 13: Prevalence of Selected Birth Defects, Texas Region 8, 1999-2000

| Defect  | Cases | Rate <sup>†</sup> | 95% Confidence Interval for Rate |          |
|---|-------|-------------------|----------------------------------|----------|
| <b>Central Nervous System</b>                                 |       |                   |                                  |          |
| Anencephaly   | 11    | 1.57              | 0.78                             | - 2.81   |
| Spina bifida without anencephaly                              | 29    | 4.14              | 2.77                             | - 5.94   |
| Encephalocele   | 6     | 0.86              | 0.31                             | - 1.86   |
| Microcephaly  | 40    | 5.71              | 4.08                             | - 7.77   |
| Holoprosencephaly   | 5     | 0.71              | 0.23                             | - 1.67   |
| Hydrocephaly  | 64    | 9.13              | 7.03                             | - 11.66  |
| <b>Eye and Ear</b>  |       |                   |                                  |          |
| Anophthalmia  | 2     | 0.29              | 0.03                             | - 1.03   |
| Microphthalmia  | 24    | 3.43              | 2.19                             | - 5.10   |
| Cataract  | 14    | 2.00              | 1.09                             | - 3.35   |
| Aniridia  | 0     | 0.00              | 0.00                             | - 0.53   |
| Anotia or microtia  | 34    | 4.85              | 3.36                             | - 6.78   |
| <b>Cardiac and Circulatory</b>                                |       |                   |                                  |          |
| Common truncus  | 6     | 0.86              | 0.31                             | - 1.86   |
| Transposition of the great vessels                            | 39    | 5.57              | 3.96                             | - 7.61   |
| Tetralogy of Fallot   | 21    | 3.00              | 1.86                             | - 4.58   |
| Ventricular septal defect                                     | 300   | 42.82             | 37.97                            | - 47.66  |
| Atrial septal defect  | 188   | 26.83             | 23.00                            | - 30.67  |
| Endocardial cushion defect                                    | 33    | 4.71              | 3.24                             | - 6.61   |
| Pulmonary valve atresia or stenosis                           | 52    | 7.42              | 5.54                             | - 9.73   |
| Tricuspid valve atresia or stenosis                           | 16    | 2.28              | 1.31                             | - 3.71   |
| Ebstein anomaly   | 10    | 1.43              | 0.68                             | - 2.62   |
| Aortic valve stenosis   | 18    | 2.57              | 1.52                             | - 4.06   |
| Hypoplastic left heart syndrome                               | 11    | 1.57              | 0.78                             | - 2.81   |
| Patent ductus arteriosus                                      | 305   | 43.53             | 38.64                            | - 48.42  |
| Coarctation of the aorta                                      | 31    | 4.42              | 3.01                             | - 6.28   |
| <b>Respiratory</b>  |       |                   |                                  |          |
| Choanal atresia or stenosis                                   | 5     | 0.71              | 0.23                             | - 1.67   |
| Agenesis, aplasia, or hypoplasia of the lung                  | 46    | 6.57              | 4.81                             | - 8.76   |
| <b>Oral Clefts</b>  |       |                   |                                  |          |
| Cleft palate alone (without cleft lip)                        | 34    | 4.85              | 3.36                             | - 6.78   |
| Cleft lip with or without cleft palate                        | 74    | 10.56             | 8.29                             | - 13.26  |
| <b>Gastrointestinal</b>                                       |       |                   |                                  |          |
| Tracheoesophageal fistula / esophageal atresia                | 25    | 3.57              | 2.31                             | - 5.27   |
| Pyloric stenosis  | 157   | 22.41             | 18.90                            | - 25.91  |
| Stenosis or atresia of small intestine                        | 20    | 2.85              | 1.74                             | - 4.41   |
| Stenosis or atresia of large intestine, rectum, or anal canal | 42    | 5.99              | 4.32                             | - 8.10   |
| Hirschsprung disease  | 6     | 0.86              | 0.31                             | - 1.86   |
| Biliary atresia   | 6     | 0.86              | 0.31                             | - 1.86   |
| <b>Genitourinary</b>  |       |                   |                                  |          |
| Hypospadias or epispadias                                     | 193   | 27.55             | 23.66                            | - 31.43  |
| Renal agenesis or dysgenesis                                  | 38    | 5.42              | 3.84                             | - 7.44   |
| Obstructive genitourinary defect                              | 130   | 18.55             | 15.36                            | - 21.74  |
| Bladder exstrophy   | 1     | 0.14              | 0.00                             | - 0.80   |
| <b>Musculoskeletal</b>  |       |                   |                                  |          |
| Congenital hip dislocation                                    | 25    | 3.57              | 2.31                             | - 5.27   |
| Reduction defects of the upper limbs                          | 35    | 5.00              | 3.48                             | - 6.95   |
| Reduction defects of the lower limbs                          | 21    | 3.00              | 1.86                             | - 4.58   |
| Craniosynostosis  | 31    | 4.42              | 3.01                             | - 6.28   |
| Diaphragmatic hernia  | 16    | 2.28              | 1.31                             | - 3.71   |
| Omphalocele   | 16    | 2.28              | 1.31                             | - 3.71   |
| Gastroschisis   | 21    | 3.00              | 1.86                             | - 4.58   |
| <b>Chromosomal</b>  |       |                   |                                  |          |
| Trisomy 21 (Down syndrome)                                    | 94    | 13.42             | 10.84                            | - 16.42  |
| Trisomy 13 (Patau syndrome)                                   | 6     | 0.86              | 0.31                             | - 1.86   |
| Trisomy 18 (Edwards syndrome)                                 | 17    | 2.43              | 1.41                             | - 3.88   |
| <b>Other</b>  |       |                   |                                  |          |
| Fetal alcohol syndrome or other alcohol related birth defects | 4     | 0.57              | 0.16                             | - 1.46   |
| <b>Infants and fetuses with any monitored birth defect</b>    | 2340  | 333.97            | 320.43                           | - 347.50 |

<sup>†</sup> cases per 10,000 live births

Table 14: Prevalence of Selected Birth Defects, Texas Region 9, 1999-2000

| Defect  | Cases | Rate <sup>†</sup> | 95% Confidence Interval for Rate |   |
|---|-------|-------------------|----------------------------------|---|
| <b>Central Nervous System</b>                                 |       |                   |                                  |   |
| Anencephaly   | 12    | 7.30              | 3.77                             | - |
| Spina bifida without anencephaly                              | 2     | 1.22              | 0.15                             | - |
| Encephalocele   | 3     | 1.83              | 0.38                             | - |
| Microcephaly  | 18    | 10.95             | 6.49                             | - |
| Holoprosencephaly   | 1     | 0.61              | 0.02                             | - |
| Hydrocephaly  | 23    | 14.00             | 8.87                             | - |
| <b>Eye and Ear</b>  |       |                   |                                  |   |
| Anophthalmia  | 2     | 1.22              | 0.15                             | - |
| Microphthalmia  | 8     | 4.87              | 2.10                             | - |
| Cataract  | 6     | 3.65              | 1.34                             | - |
| Aniridia  | 0     | 0.00              | 0.00                             | - |
| Anotia or microtia  | 8     | 4.87              | 2.10                             | - |
| <b>Cardiac and Circulatory</b>                                |       |                   |                                  |   |
| Common truncus  | 1     | 0.61              | 0.02                             | - |
| Transposition of the great vessels                            | 6     | 3.65              | 1.34                             | - |
| Tetralogy of Fallot   | 8     | 4.87              | 2.10                             | - |
| Ventricular septal defect                                     | 74    | 45.03             | 35.36                            | - |
| Atrial septal defect  | 62    | 37.73             | 28.93                            | - |
| Endocardial cushion defect                                    | 8     | 4.87              | 2.10                             | - |
| Pulmonary valve atresia or stenosis                           | 6     | 3.65              | 1.34                             | - |
| Tricuspid valve atresia or stenosis                           | 1     | 0.61              | 0.02                             | - |
| Ebstein anomaly   | 0     | 0.00              | 0.00                             | - |
| Aortic valve stenosis   | 2     | 1.22              | 0.15                             | - |
| Hypoplastic left heart syndrome                               | 2     | 1.22              | 0.15                             | - |
| Patent ductus arteriosus                                      | 71    | 43.21             | 33.74                            | - |
| Coarctation of the aorta                                      | 7     | 4.26              | 1.71                             | - |
| <b>Respiratory</b>  |       |                   |                                  |   |
| Choanal atresia or stenosis                                   | 2     | 1.22              | 0.15                             | - |
| Agenesis, aplasia, or hypoplasia of the lung                  | 6     | 3.65              | 1.34                             | - |
| <b>Oral Clefts</b>  |       |                   |                                  |   |
| Cleft palate alone (without cleft lip)                        | 11    | 6.69              | 3.34                             | - |
| Cleft lip with or without cleft palate                        | 23    | 14.00             | 8.87                             | - |
| <b>Gastrointestinal</b>                                       |       |                   |                                  |   |
| Tracheoesophageal fistula / esophageal atresia                | 3     | 1.83              | 0.38                             | - |
| Pyloric stenosis  | 36    | 21.91             | 15.34                            | - |
| Stenosis or atresia of small intestine                        | 4     | 2.43              | 0.66                             | - |
| Stenosis or atresia of large intestine, rectum, or anal canal | 7     | 4.26              | 1.71                             | - |
| Hirschsprung disease  | 5     | 3.04              | 0.99                             | - |
| Biliary atresia   | 2     | 1.22              | 0.15                             | - |
| <b>Genitourinary</b>  |       |                   |                                  |   |
| Hypospadias or epispadias                                     | 26    | 15.82             | 10.34                            | - |
| Renal agenesis or dysgenesis                                  | 14    | 8.52              | 4.66                             | - |
| Obstructive genitourinary defect                              | 25    | 15.21             | 9.85                             | - |
| Bladder exstrophy   | 0     | 0.00              | 0.00                             | - |
| <b>Musculoskeletal</b>  |       |                   |                                  |   |
| Congenital hip dislocation                                    | 10    | 6.09              | 2.92                             | - |
| Reduction defects of the upper limbs                          | 9     | 5.48              | 2.50                             | - |
| Reduction defects of the lower limbs                          | 4     | 2.43              | 0.66                             | - |
| Craniosynostosis  | 4     | 2.43              | 0.66                             | - |
| Diaphragmatic hernia  | 2     | 1.22              | 0.15                             | - |
| Omphalocele   | 2     | 1.22              | 0.15                             | - |
| Gastroschisis   | 11    | 6.69              | 3.34                             | - |
| <b>Chromosomal</b>  |       |                   |                                  |   |
| Trisomy 21 (Down syndrome)                                    | 22    | 13.39             | 8.39                             | - |
| Trisomy 13 (Patau syndrome)                                   | 5     | 3.04              | 0.99                             | - |
| Trisomy 18 (Edwards syndrome)                                 | 0     | 0.00              | 0.00                             | - |
| <b>Other</b>  |       |                   |                                  |   |
| Fetal alcohol syndrome or other alcohol related birth defects | 0     | 0.00              | 0.00                             | - |
| <b>Infants and fetuses with any monitored birth defect</b>    |       |                   |                                  |   |
|   | 572   | 348.08            | 319.55                           | - |
|   |       |                   | 376.61                           |   |

<sup>†</sup> cases per 10,000 live births

Table 15: Prevalence of Selected Birth Defects, Texas Region 10, 1999-2000

| Defect  | Cases | Rate <sup>†</sup> | 95% Confidence Interval for Rate |          |
|---|-------|-------------------|----------------------------------|----------|
| <b>Central Nervous System</b>                                 |       |                   |                                  |          |
| Anencephaly   | 15    | 5.18              | 2.90                             | - 8.54   |
| Spina bifida without anencephaly                              | 11    | 3.80              | 1.90                             | - 6.79   |
| Encephalocele   | 2     | 0.69              | 0.08                             | - 2.49   |
| Microcephaly  | 19    | 6.56              | 3.95                             | - 10.24  |
| Holoprosencephaly   | 6     | 2.07              | 0.76                             | - 4.51   |
| Hydrocephaly  | 22    | 7.59              | 4.76                             | - 11.50  |
| <b>Eye and Ear</b>  |       |                   |                                  |          |
| Anophthalmia  | 0     | 0.00              | 0.00                             | - 1.27   |
| Microphthalmia  | 4     | 1.38              | 0.38                             | - 3.53   |
| Cataract  | 7     | 2.42              | 0.97                             | - 4.98   |
| Aniridia  | 0     | 0.00              | 0.00                             | - 1.27   |
| Anotia or microtia  | 15    | 5.18              | 2.90                             | - 8.54   |
| <b>Cardiac and Circulatory</b>                                |       |                   |                                  |          |
| Common truncus  | 4     | 1.38              | 0.38                             | - 3.53   |
| Transposition of the great vessels                            | 8     | 2.76              | 1.19                             | - 5.44   |
| Tetralogy of Fallot   | 7     | 2.42              | 0.97                             | - 4.98   |
| Ventricular septal defect                                     | 104   | 35.89             | 29.00                            | - 42.79  |
| Atrial septal defect  | 34    | 11.73             | 8.13                             | - 16.40  |
| Endocardial cushion defect                                    | 7     | 2.42              | 0.97                             | - 4.98   |
| Pulmonary valve atresia or stenosis                           | 11    | 3.80              | 1.90                             | - 6.79   |
| Tricuspid valve atresia or stenosis                           | 6     | 2.07              | 0.76                             | - 4.51   |
| Ebstein anomaly   | 3     | 1.04              | 0.21                             | - 3.03   |
| Aortic valve stenosis   | 2     | 0.69              | 0.08                             | - 2.49   |
| Hypoplastic left heart syndrome                               | 9     | 3.11              | 1.42                             | - 5.90   |
| Patent ductus arteriosus                                      | 98    | 33.82             | 27.46                            | - 41.22  |
| Coarctation of the aorta                                      | 12    | 4.14              | 2.14                             | - 7.23   |
| <b>Respiratory</b>  |       |                   |                                  |          |
| Choanal atresia or stenosis                                   | 2     | 0.69              | 0.08                             | - 2.49   |
| Agenesis, aplasia, or hypoplasia of the lung                  | 8     | 2.76              | 1.19                             | - 5.44   |
| <b>Oral Clefts</b>  |       |                   |                                  |          |
| Cleft palate alone (without cleft lip)                        | 18    | 6.21              | 3.68                             | - 9.82   |
| Cleft lip with or without cleft palate                        | 38    | 13.12             | 9.28                             | - 18.00  |
| <b>Gastrointestinal</b>                                       |       |                   |                                  |          |
| Tracheoesophageal fistula / esophageal atresia                | 6     | 2.07              | 0.76                             | - 4.51   |
| Pyloric stenosis  | 65    | 22.43             | 17.31                            | - 28.59  |
| Stenosis or atresia of small intestine                        | 10    | 3.45              | 1.66                             | - 6.35   |
| Stenosis or atresia of large intestine, rectum, or anal canal | 12    | 4.14              | 2.14                             | - 7.23   |
| Hirschsprung disease  | 3     | 1.04              | 0.21                             | - 3.03   |
| Biliary atresia   | 1     | 0.35              | 0.01                             | - 1.92   |
| <b>Genitourinary</b>  |       |                   |                                  |          |
| Hypospadias or epispadias                                     | 61    | 21.05             | 16.10                            | - 27.04  |
| Renal agenesis or dysgenesis                                  | 13    | 4.49              | 2.39                             | - 7.67   |
| Obstructive genitourinary defect                              | 58    | 20.02             | 15.20                            | - 25.88  |
| Bladder exstrophy   | 0     | 0.00              | 0.00                             | - 1.27   |
| <b>Musculoskeletal</b>  |       |                   |                                  |          |
| Congenital hip dislocation                                    | 13    | 4.49              | 2.39                             | - 7.67   |
| Reduction defects of the upper limbs                          | 8     | 2.76              | 1.19                             | - 5.44   |
| Reduction defects of the lower limbs                          | 5     | 1.73              | 0.56                             | - 4.03   |
| Craniosynostosis  | 17    | 5.87              | 3.42                             | - 9.39   |
| Diaphragmatic hernia  | 5     | 1.73              | 0.56                             | - 4.03   |
| Omphalocele   | 4     | 1.38              | 0.38                             | - 3.53   |
| Gastroschisis   | 12    | 4.14              | 2.14                             | - 7.23   |
| <b>Chromosomal</b>  |       |                   |                                  |          |
| Trisomy 21 (Down syndrome)                                    | 45    | 15.53             | 11.33                            | - 20.78  |
| Trisomy 13 (Patau syndrome)                                   | 3     | 1.04              | 0.21                             | - 3.03   |
| Trisomy 18 (Edwards syndrome)                                 | 6     | 2.07              | 0.76                             | - 4.51   |
| <b>Other</b>  |       |                   |                                  |          |
| Fetal alcohol syndrome or other alcohol related birth defects | 0     | 0.00              | 0.00                             | - 1.27   |
| <b>Infants and fetuses with any monitored birth defect</b>    | 772   | 266.45            | 247.65                           | - 285.24 |

<sup>†</sup> cases per 10,000 live births

Table 16: Prevalence of Selected Birth Defects, Texas Region 11, 1999-2000

| Defect  | Cases       | Rate <sup>†</sup> | 95% Confidence Interval for Rate |                 |
|---|-------------|-------------------|----------------------------------|-----------------|
| <b>Central Nervous System</b>                                 |             |                   |                                  |                 |
| Anencephaly   | 42          | 5.31              | 3.83                             | -               |
| Spina bifida without anencephaly                              | 46          | 5.82              | 4.26                             | -               |
| Encephalocele   | 11          | 1.39              | 0.69                             | -               |
| Microcephaly  | 53          | 6.71              | 5.02                             | -               |
| Holoprosencephaly   | 11          | 1.39              | 0.69                             | -               |
| Hydrocephaly  | 54          | 6.83              | 5.13                             | -               |
| <b>Eye and Ear</b>  |             |                   |                                  |                 |
| Anophthalmia  | 2           | 0.25              | 0.03                             | -               |
| Microphthalmia  | 21          | 2.66              | 1.64                             | -               |
| Cataract  | 8           | 1.01              | 0.44                             | -               |
| Aniridia  | 0           | 0.00              | 0.00                             | -               |
| Anotia or microtia  | 21          | 2.66              | 1.64                             | -               |
| <b>Cardiac and Circulatory</b>                                |             |                   |                                  |                 |
| Common truncus  | 8           | 1.01              | 0.44                             | -               |
| Transposition of the great vessels                            | 28          | 3.54              | 2.35                             | -               |
| Tetralogy of Fallot   | 33          | 4.17              | 2.87                             | -               |
| Ventricular septal defect                                     | 624         | 78.94             | 72.75                            | -               |
| Atrial septal defect  | 846         | 107.03            | 99.82                            | -               |
| Endocardial cushion defect                                    | 27          | 3.42              | 2.25                             | -               |
| Pulmonary valve atresia or stenosis                           | 64          | 8.10              | 6.24                             | -               |
| Tricuspid valve atresia or stenosis                           | 23          | 2.91              | 1.84                             | -               |
| Ebstein anomaly   | 9           | 1.14              | 0.52                             | -               |
| Aortic valve stenosis   | 28          | 3.54              | 2.35                             | -               |
| Hypoplastic left heart syndrome                               | 14          | 1.77              | 0.97                             | -               |
| Patent ductus arteriosus                                      | 687         | 86.91             | 80.41                            | -               |
| Coarctation of the aorta                                      | 60          | 7.59              | 5.79                             | -               |
| <b>Respiratory</b>  |             |                   |                                  |                 |
| Choanal atresia or stenosis                                   | 18          | 2.28              | 1.35                             | -               |
| Agenesis, aplasia, or hypoplasia of the lung                  | 42          | 5.31              | 3.83                             | -               |
| <b>Oral Clefts</b>  |             |                   |                                  |                 |
| Cleft palate alone (without cleft lip)                        | 38          | 4.81              | 3.40                             | -               |
| Cleft lip with or without cleft palate                        | 81          | 10.25             | 8.14                             | -               |
| <b>Gastrointestinal</b>                                       |             |                   |                                  |                 |
| Tracheoesophageal fistula / esophageal atresia                | 17          | 2.15              | 1.25                             | -               |
| Pyloric stenosis  | 201         | 25.43             | 21.91                            | -               |
| Stenosis or atresia of small intestine                        | 32          | 4.05              | 2.77                             | -               |
| Stenosis or atresia of large intestine, rectum, or anal canal | 56          | 7.08              | 5.35                             | -               |
| Hirschsprung disease  | 5           | 0.63              | 0.21                             | -               |
| Biliary atresia   | 3           | 0.38              | 0.08                             | -               |
| <b>Genitourinary</b>  |             |                   |                                  |                 |
| Hypospadias or epispadias                                     | 161         | 20.37             | 17.22                            | -               |
| Renal agenesis or dysgenesis                                  | 43          | 5.44              | 3.94                             | -               |
| Obstructive genitourinary defect                              | 132         | 16.70             | 13.85                            | -               |
| Bladder exstrophy   | 0           | 0.00              | 0.00                             | -               |
| <b>Musculoskeletal</b>  |             |                   |                                  |                 |
| Congenital hip dislocation                                    | 43          | 5.44              | 3.94                             | -               |
| Reduction defects of the upper limbs                          | 34          | 4.30              | 2.98                             | -               |
| Reduction defects of the lower limbs                          | 13          | 1.64              | 0.88                             | -               |
| Craniosynostosis  | 33          | 4.17              | 2.87                             | -               |
| Diaphragmatic hernia  | 26          | 3.29              | 2.15                             | -               |
| Omphalocele   | 20          | 2.53              | 1.55                             | -               |
| Gastroschisis   | 34          | 4.30              | 2.98                             | -               |
| <b>Chromosomal</b>  |             |                   |                                  |                 |
| Trisomy 21 (Down syndrome)                                    | 96          | 12.14             | 9.84                             | -               |
| Trisomy 13 (Patau syndrome)                                   | 6           | 0.76              | 0.28                             | -               |
| Trisomy 18 (Edwards syndrome)                                 | 19          | 2.40              | 1.45                             | -               |
| <b>Other</b>  |             |                   |                                  |                 |
| Fetal alcohol syndrome or other alcohol related birth defects | 2           | 0.25              | 0.03                             | -               |
| <b>Infants and fetuses with any monitored birth defect</b>    | <b>3233</b> | <b>409.01</b>     | <b>394.91</b>                    | <b>- 423.11</b> |

<sup>†</sup> cases per 10,000 live births

Table 18. Infants and Fetuses with Any Monitored Birth Defect, by Pregnancy Outcome, Texas, 1999-2000

| <b>Pregnancy Outcome</b>       | <b>Number<br/>of Cases</b> | <b>Percent<br/>of Cases</b> | <b>Cases per</b>              |
|--------------------------------|----------------------------|-----------------------------|-------------------------------|
|                                |                            |                             | <b>10,000<br/>Live Births</b> |
| Live births                    | 23,160                     | 95.74                       | 325.06                        |
| Spontaneous fetal deaths       | 443                        | 1.83                        | 6.22                          |
| Induced pregnancy terminations | 564                        | 2.33                        | 7.92                          |
| Unspecified                    | 24                         | 0.10                        | 0.34                          |
| Total                          | 24,191                     | 100.00                      | 339.53                        |